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Lifting Reentry Communications

Volume III: Plane Wave Attenuation Tables

FEBRUARY 1967

Prepared by REENTRY AND PLASMA-ELECTROMAGNETICS DEPARTMENT
Plasma Research Laboratory
Laboratories Division
Laboratory Operations
AEROSPACE CORPORATION

Prepared for BALLISTIC SYSTEMS AND SPACE SYSTEMS DIVISIONS
AIR FORCE SYSTEMS COMMAND
LOS ANGELES AIR FORCE STATION
Los Angeles, California
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LIFTING REENTRY COMMUNICATIONS
VOLUME III: PLANE WAVE ATTENUATION TABLES

Prepared by

REENTRY AND PLASMA-ELECTROMAGNETICS DEPARTMENT
Plasma Research Laboratory

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FOREWORD

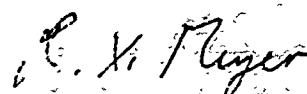
This report is published by the Aerospace Corporation, El Segundo, California, under Air Force Contract Nos. AF 04(695)-669 and AF 04(695)-1001. The report was authored by the following members of the ad hoc Working Group on Reentry Communications:

Donald M. Dix
Kurt E. Golden
Edward G. Taylor
Marc A. Kolpin
Paul R. Caron

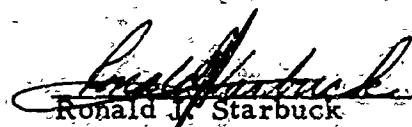
This working group was organized by Richard H. Huddlestone, Head, Reentry and Plasma-Electromagnetics Department, Plasma Research Laboratory in anticipation of the requirements of the Space Systems Division. The authors gratefully acknowledge Dr. Huddlestone's many suggestions and his constructive criticism.

This report, which documents research carried out from 1 July 1965 through 1 February 1967, was submitted on 22 March 1967 to Captain Ronald J. Starbuck, SSTRT, for review and approval.

Approved


R. X. Meyer, Director
Plasma Research Laboratory
Laboratories Division
Laboratories Operations

Publication of this report does not constitute Air Force approval of the report's findings or conclusions. It is published only for the exchange and stimulation of ideas.


Ronald J. Starbuck
Captain, USAF
Chief, Space Environment and
Electronics Branch

ABSTRACT

The reentry signal attenuation calculations presented in this volume are a part of the lifting reentry communication system study described in Volumes I and II. Extensive plane wave attenuation tables are given for the following plasma conditions:

$$\begin{aligned}0.8 &\leq \omega_p / \omega \leq 800 \\10^{-4} &\leq d/\lambda_0 \leq 3.5 \\10^{-4} &\leq 2\pi c v / \omega_p^2 d \leq 1.0\end{aligned}$$

A brief review of the plane wave analysis is also included. Plasma antenna effects and the effects of inhomogeneities in the plasma sheath are discussed.

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NOMENCLATURE

a	aperture width
c	velocity of light
d	plasma slab thickness
E^{\pm}	electric field amplitudes in plasma slab
E_{ap}	complex amplitude of electric field across aperture
E_o	electric field amplitude in feed waveguide
$g(\theta)$	gain function
$G(\theta)$	normalized gain function
k_o	free space wavenumber
k_p	plasma wavenumber
$k_{oz}(k_{pz})$	z component of $k_o(k_p)$
$\hat{r}_o(\hat{r}_p)$	complex voltage reflection coefficient for aperture radiating into free space (plasma environment)
t	transmission coefficient
$\bar{u}_x(\bar{u}_y)$	unit vector in x (or y) direction
V	v/ω , collisional parameters
W	ω_p/ω , normalized plasma frequency
$Y_o (Y_g)$	admittance of free space (feed waveguide)
Z_s	equivalent plasma surface impedance
Z_o	characteristic impedance of free surface

α_p	plasma attenuation constant
γ	equivalent angle of incidence
ϵ_0	permittivity of free space
ϵ_p	complex dielectric constant of plasma region, Eq. (1)
θ	angle of observation with respect to z axis
λ_0	free space wavelength
μ_0	permeability of free space
ν	equivalent collision frequency
ω	radian signal frequency
ω_p	radian plasma frequency

Superscripts

o	without plasma sheath
p	with plasma sheath
i	incident
r	reflected
t	transmitted

I. INTRODUCTION

This is the last of three volumes describing the analysis of lifting reentry communication systems. This volume is concerned with the electromagnetic analysis of plane wave transmission through a plasma slab. The results of attenuation computations, performed on a digital computer, are presented in tabular format in the appendix to this volume. These tables were used extensively in the estimates of reentry signal attenuation which appear in Volumes I and II. However, since the plasma parameters appearing in the tables were varied over a wide range, the tables should be useful for many other current reentry applications as well as for lifting reentry.

A plane-wave homogeneous-plasma-slab model is assumed for the attenuation computations. This model was chosen because it is the simplest one which incorporates all the necessary ingredients for attenuation estimates without including the details confronting an actual reentry flight configuration. The validity and limitations of this plane wave approximation are discussed briefly in later sections of this report.

II. PLANE WAVE ANALYSIS

A. PLASMA ATTENUATION

This section contains a brief review of the plane wave analysis and a discussion of the plasma slab attenuation tables. A more detailed discussion of the plane wave transmission through a plasma slab for an arbitrary angle of incidence is given in Ref. 1.

The plasma slab geometry is depicted in Fig. 1. The plasma region is sharply bounded by free space on either side and is assumed to be homogeneous, isotropic, and slightly ionized. Collisional effects are assumed to be due to electron-neutral collisions and to be velocity independent. The plasma region is thus characterized by a complex dielectric constant ϵ_p , which is equal to (Ref. 2)

$$\epsilon_p = \epsilon_0 \left(1 - \frac{W^2}{1-jV} \right) \quad (1)$$

with $W = \omega_p / \omega$ and $V = v/\omega$, where ϵ_0 is the permittivity of free space, ω_p is the radian plasma frequency, ω is the radian signal frequency, and v is the equivalent collision frequency.

The normal incident plane wave is assumed to impinge upon the plasma slab from the left, $z = -\infty$, and to have an $e^{+j\omega t}$ time dependence. The electromagnetic fields in the three regions can be written in the form (Ref. 1)

$$\bar{E}_1 = \bar{u}_x \left[E^i e^{-jk_0 z} + E^r e^{+jk_0 z} \right]$$

$$\bar{E}_2 = \bar{u}_x \left[E^- e^{-jk_p z} + E^+ e^{+jk_p z} \right]$$

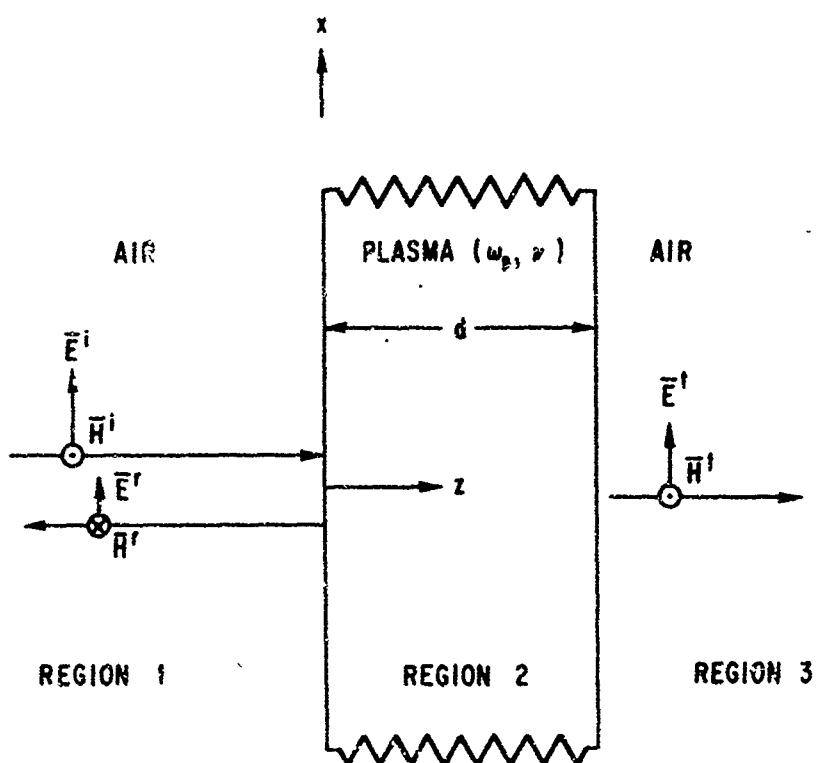


Fig. 1. Plasma Slab Geometry

$$\bar{E}_3 = \bar{u}_x E^t e^{-jk_0 z}$$

$$\bar{H}_1 = \bar{u}_y (k_o / \omega \mu_o) [E^i e^{-jk_0 z} - E^r e^{+jk_0 z}]$$

$$\bar{H}_2 = \bar{u}_y (k_p / \omega \mu_o) [E^- e^{-jk_p z} - E^+ e^{+jk_p z}]$$

$$\bar{H}_3 = \bar{u}_y (k_o / \omega \mu_o) E^t e^{-jk_0 z}$$

where k_o is the free space wavenumber, k_p is the plasma wavenumber, μ_o is the permeability of free space, \bar{u}_x is the unit vector in the x direction, and \bar{u}_y is the unit vector in the y direction.

The subscripts 1, 2 and 3 designate regions 1, 2, and 3 in Fig. 1. The fields in region 1 represent the incident and reflected plane waves, the fields in region 3 comprise the transmitted plane wave, and the fields in region 2 correspond to the standing and traveling wave components in the plasma slab. The transmission coefficient t is defined as the ratio E^t/E^i . It is obtained by applying the appropriate boundary conditions at the two plasma-air interfaces, which results in

$$t = \frac{E^t}{E^i} = \frac{e^{+jk_0 d}}{\cos k_p d + (j/2)(k_o/k_p + k_p/k_o) \sin k_p d} \quad (2)$$

where d is the slab thickness and

$$k_o = \omega(\mu_o \epsilon_o)^{1/2}$$

$$k_p = k_o \left(1 - \frac{w^2}{1-jV}\right)^{1/2}$$

The 7094 computer was programmed by the Aerospace Computation and Data Processing Center to calculate the magnitude of the complex transmission coefficient given in Eq. (2) and to display the computer output in tabular form as a function of the various plasma parameters. The Appendix contains the computations for plasma conditions commonly encountered during reentry. The normalized plasma frequency W and the normalized plasma thickness d/λ_0 were varied from 0.8 to 800 and 10^{-4} to 3.5, respectively. Each page of the computer printout tabulates the plane wave attenuation through a plasma slab in dB for a given set of values of d/λ_0 and ω_p/ω and a fixed value of the parameter $V\lambda_0/W^2d$. The printed parameters D/LAM. 0 and VLAM. 0/ $W^{**2}D$, which appear on the printout sheets, denote the plasma parameters d/λ_0 and $V\lambda_0/W^2d$, respectively.

Some of the computer results are also presented graphically in Figs. 2 through 6. Figure 2 represents the plane wave plasma attenuation as a function of ω_p/ω and d/λ_0 when the collisional parameter v/ω_p is assumed to be zero. The printed numbers associated with each attenuation contour correspond to the attenuation level in dB. The dashed lines represent paths of constant plasma conditions ($\omega_p d/2\pi c = \text{const}$, $v/\omega_p = \text{const}$) and yield the frequency dependence of the plane wave attenuation. Moving to the left on one of the constant plasma contours is equivalent to increasing the signal frequency. For a collisionless plasma, the plane wave attenuation decreases with increasing frequency, and increases with increasing slab thickness or plasma frequency.

Figures 3 and 4 display the attenuation contours with the collisional parameter v/ω_p equal to 0.1 and 1.0, respectively. The most significant difference between the results for lossy and lossless plasmas is an alteration in the frequency dependence.

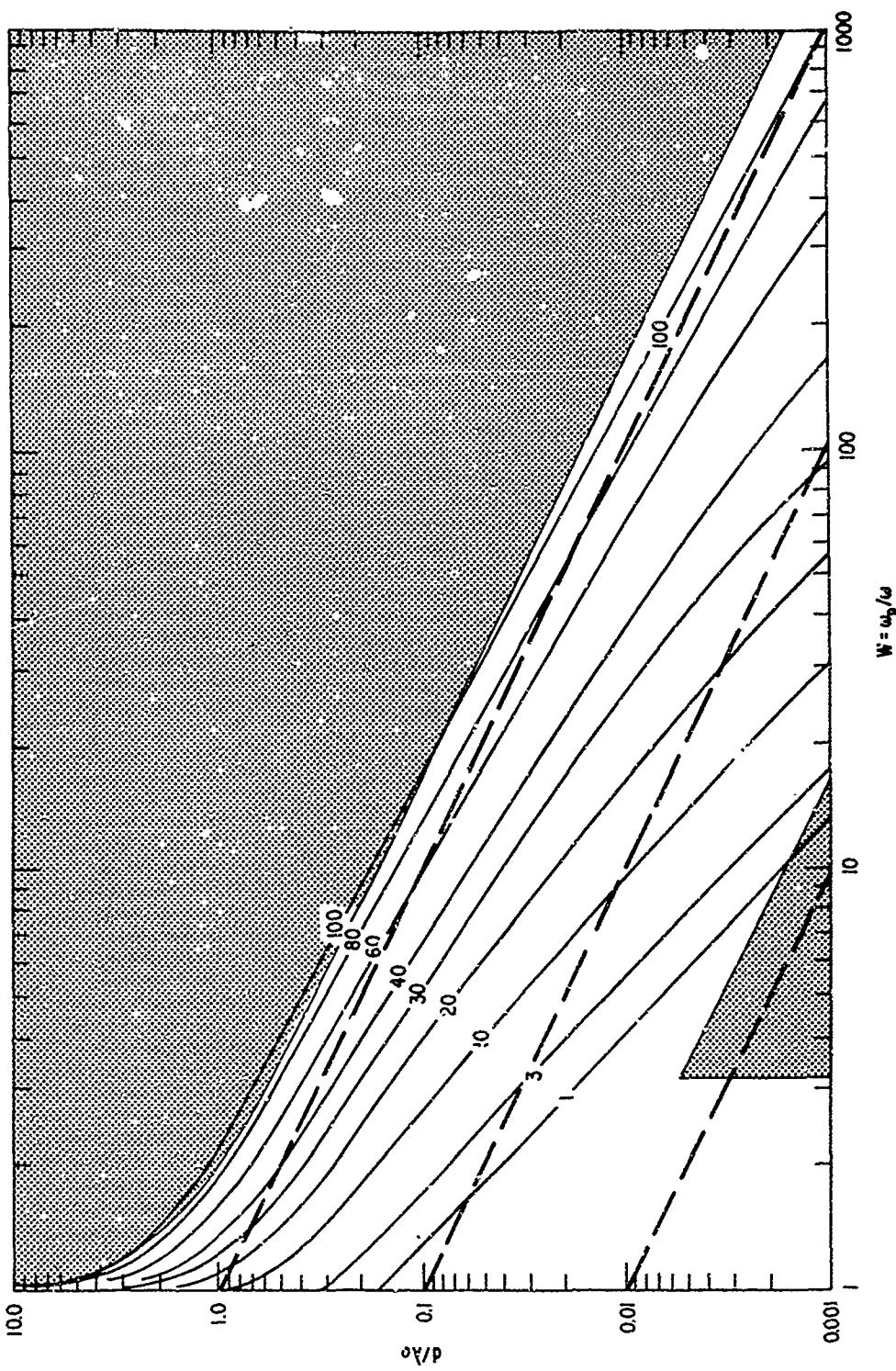


Fig. 2. Plasma Slab Attenuation Contours ($\nu/\omega_p = 0$)

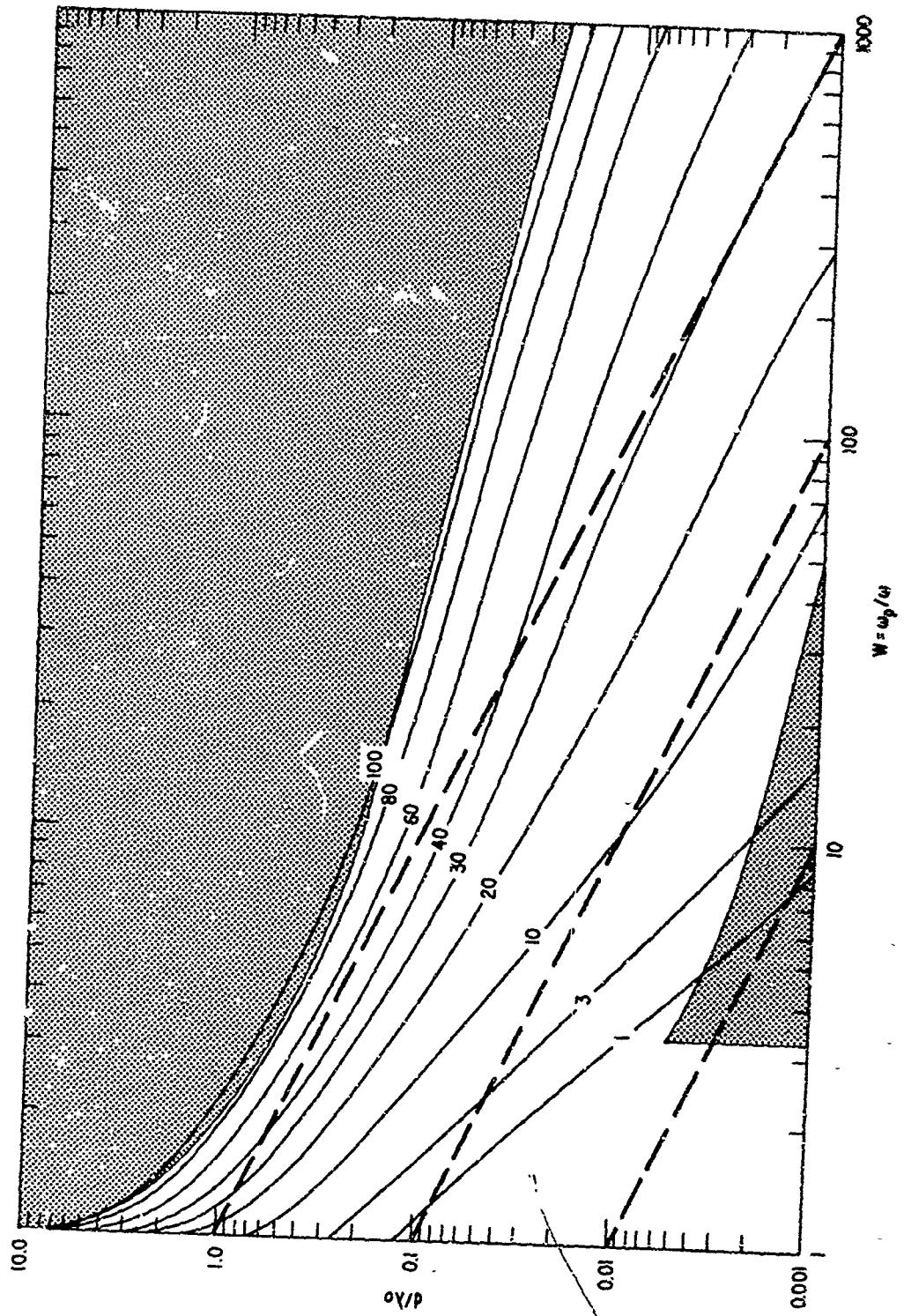


Fig. 3. Plasma Slab Attenuation Contours ($v/\omega_p = 0, 1$)

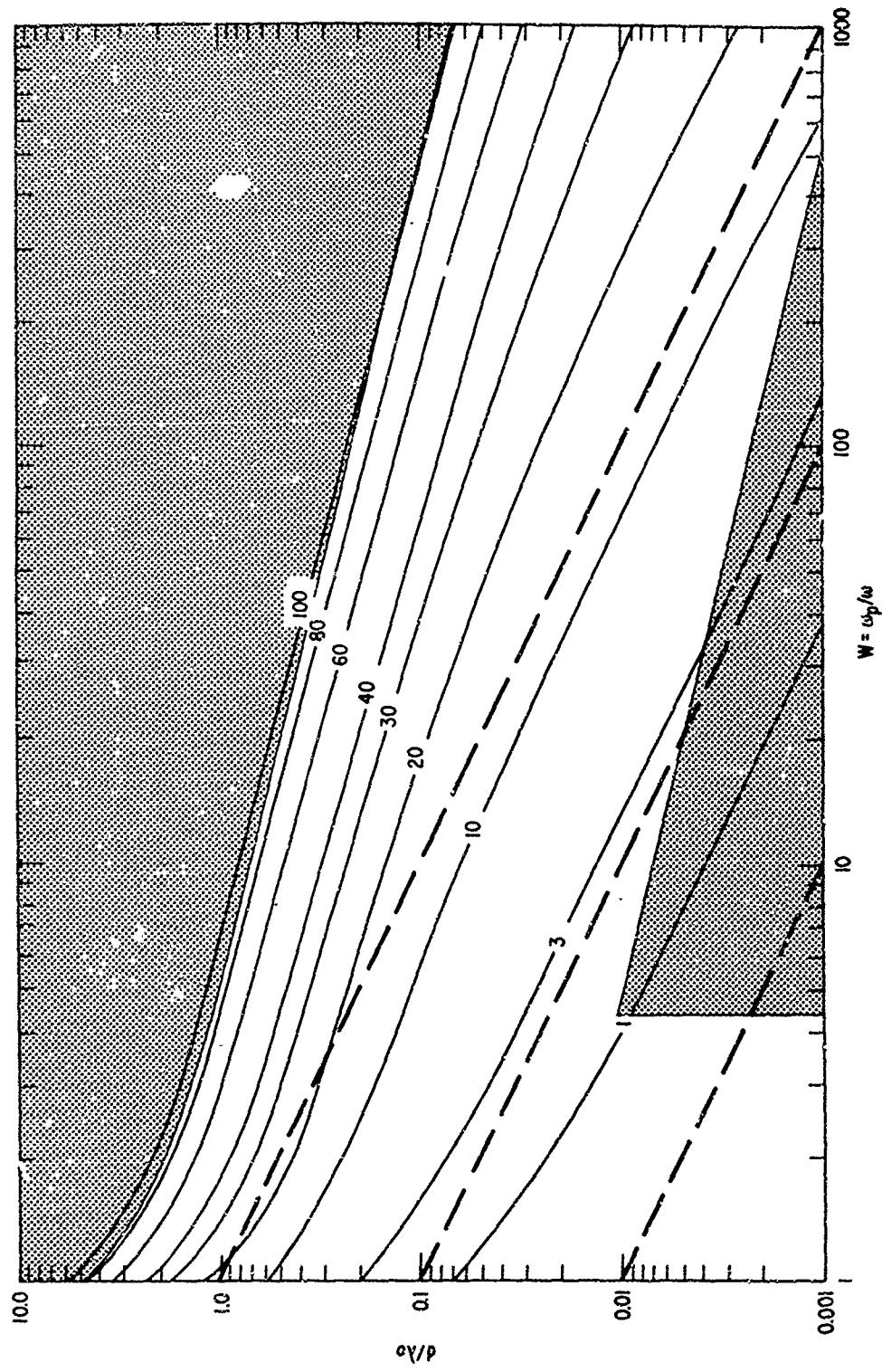


Fig. 4. Plasma Slab Attenuation Contours ($\nu/\omega_p = 1.0$)

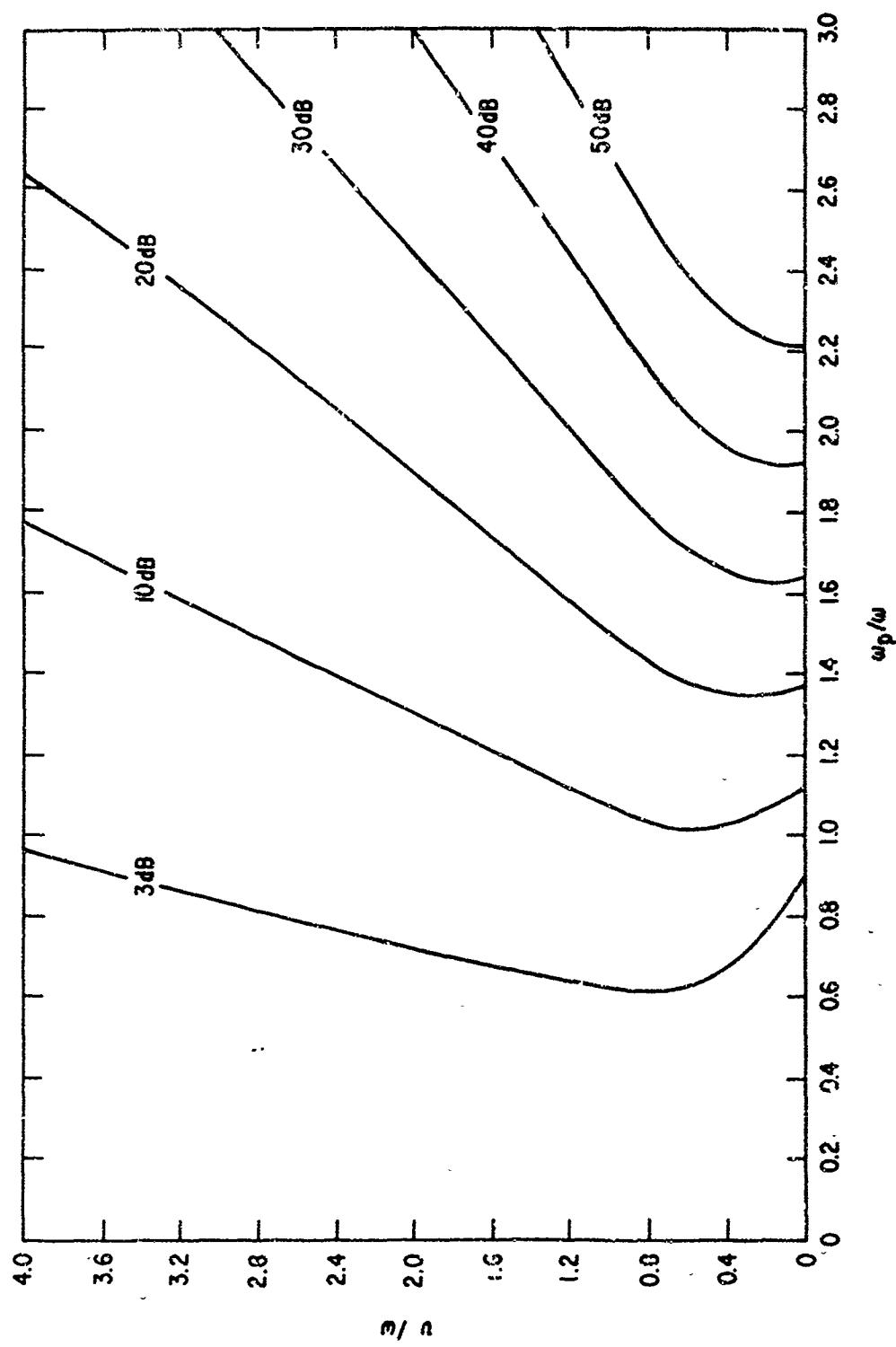


Fig. 5. Dependence of Plasma Slab Attenuation on Electron Density and Collision Frequency ($d/\lambda_0 = 0.5$)

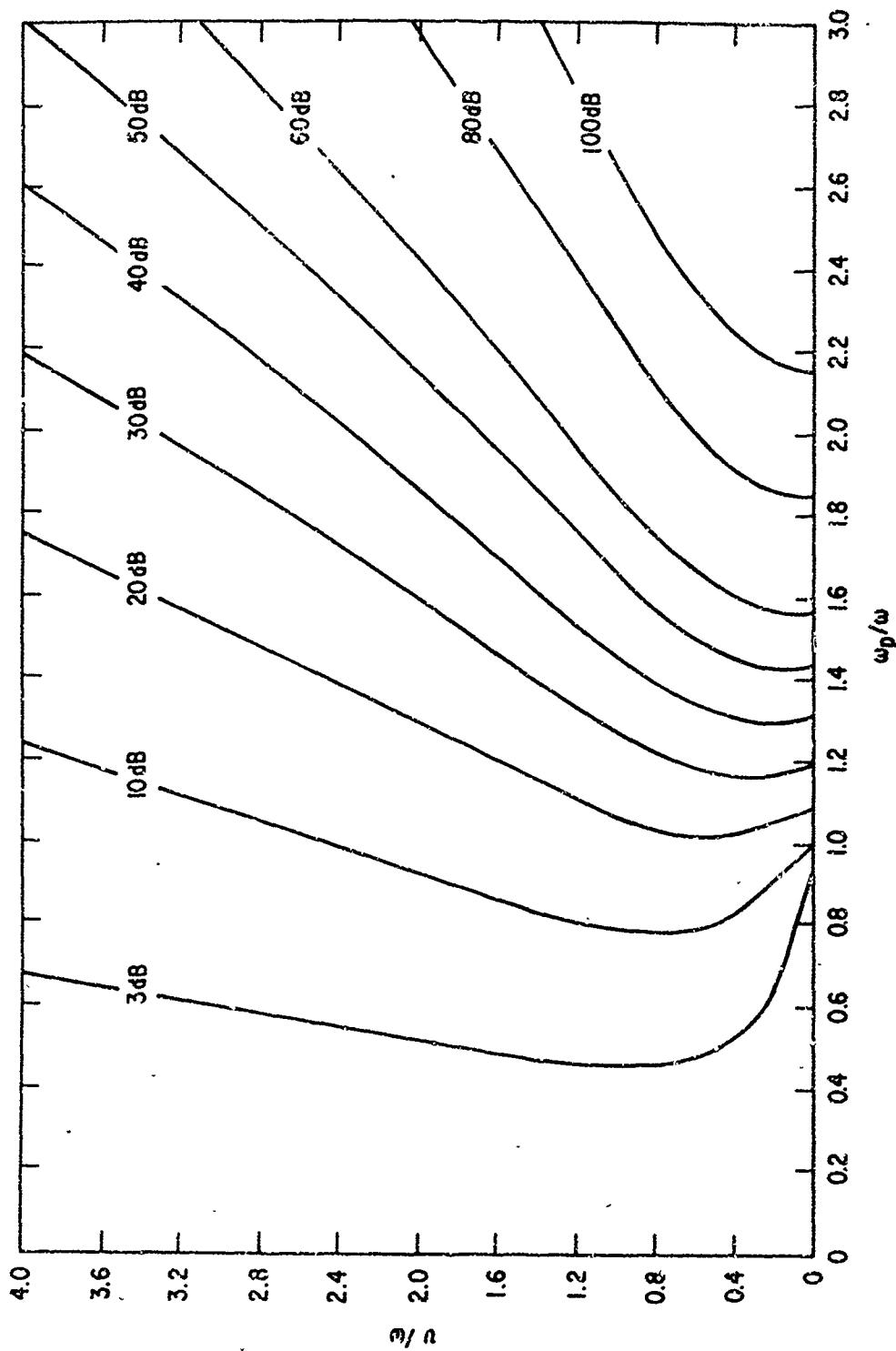


Fig. 6. Dependence of Plasma Slab Attenuation on Electron Density and Collision Frequency ($d/\lambda_o = 1.0$)

For lossy plasmas, the attenuation no longer decreases with increasing signal frequency. Typically, the attenuation approaches an asymptotic value at low frequency and at first increases with increasing frequency. As the signal frequency approaches the plasma frequency, the attenuation goes through a maximum and begins to decrease with increasing signal frequency.

The shaded areas in Figs. 2 through 4 represent the regions where the slab computations can be approximated by asymptotic solutions. In the lower region, jump conditions (Ref. 1) can be used to approximate the plasma layer. In other words, when the plasma thickness is much smaller than an attenuation length, the reflection and transmission characteristics are governed by an equivalent surface impedance or induced surface current density. The transmission coefficient can be approximated by

$$t \approx \frac{1}{1 + Z_o/2Z_s}$$

where Z_s/Z_o is the normalized plasma surface impedance and

$$Z_s/Z_o = \frac{1}{W^2 k_o d} (V + j)$$

When the plasma thickness is much greater than an attenuation length (upper shaded region), the signal attenuation can be approximated by

$$t \approx \left[\frac{4 k_p / k_o}{(k_p / k_o + 1)^2} \right] e^{-\alpha_p d} \quad (3)$$

where σ_p is the plasma attenuation constant. The first term in Eq. (3) is equivalent to a reflecting loss; the exponential term is equal to the amount of attenuation a ray encounters in one pass through the plasma layer.

Figures 5 and 6 illustrate the effects of collisions on the signal attenuation for a plasma thickness of $0.5 \lambda_0$ and $1.0 \lambda_0$, respectively. These figures show that collisional effects tend to reduce signal attenuation except in the region near the plasma frequency ($W \sim 1$).

B. PLASMA-ANTENNA INTERACTIONS

The detrimental effects on rf communications produced by reentry plasma sheaths (such as antenna pattern distortion, signal attenuation, and antenna impedance changes) have been discussed in the literature (Refs. 1 - 6). Due to the high attenuation of the fields within the reentry plasma sheath, the antenna pattern distortions produced by multiple reflection inside the sheath are relatively unimportant. If the surrounding plasma is separated from the metallic skin of the vehicle by a dielectric ablating material such as Teflon, the resulting radiation patterns may be distorted due to the ducting of rf energy between the plasma and vehicle; however, when the dielectric spacing is much smaller than a wavelength these effects tend to be relatively small compared with signal absorption in the plasma and with antenna impedance effects.

When the plasma sheath is in contact with the conducting surface of the vehicle and the thickness of the sheath is large compared with an attenuation length, the following infinite slot (see Fig. 7) analysis demonstrates the correspondence between the plane wave theory and

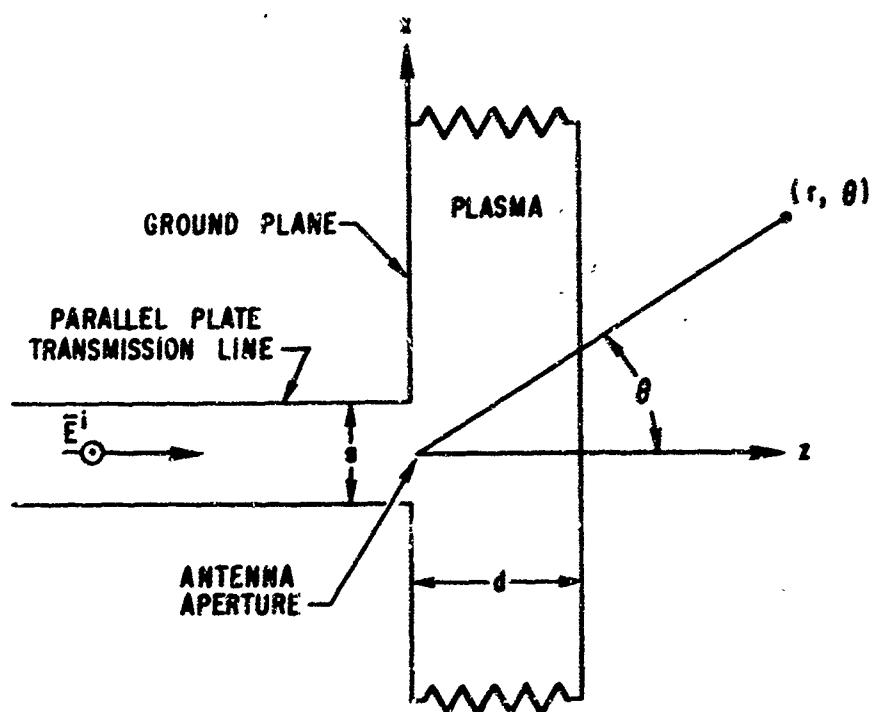


Fig. 7. Slot Antenna Geometry

the antenna formulation. The normalized far-field radiation pattern can be expressed as follows (Ref. 7):

$$E_y(\theta) = E_{ap} \left[\frac{\left(\frac{a}{\pi}\right)^2 \cos\theta \cos\left(\frac{k_o a \sin\theta}{2}\right)}{\left(\frac{\pi}{a}\right)^2 - (k_o \sin\theta)^2} \right] \left[\frac{1}{\cos k_{pz} d + j \frac{k_{oz}}{k_{pz}} \sin k_{pz} d} \right] \quad (4)$$

when the slot is excited by the dominant TE mode (co-sinusoidal aperture distribution), and where a is the aperture width, E_{ap} is the complex amplitude of the electric field across the aperture, θ is the angle of observation with respect to the z axis, the subscript z denotes the z component of the respective wavenumbers, and where

$$\begin{aligned} k_{oz} &= k_o \cos\theta \\ k_{pz} &= k_o \left[k_p^2/k_o^2 - \sin^2\theta \right]^{1/2} \\ k_p^2/k_o^2 &= 1 - \frac{w^2}{l^2 j V} \end{aligned}$$

The term E_{ap} accounts for changes in the driving point admittance of the slot, the second term depicts the normal distribution of electromagnetic energy in the far field in the absence of plasma, and the last term expresses the effects of plasma on the radiation. The magnitude of the last term in Eq. (4) approaches unity as the plasma is removed. In order to evaluate the change in signal level caused by the plasma layer the following ratio is determined (Ref. 8)

$$g(\theta) = \frac{|E_y^p(\theta, r)|^2}{|E_y^o(\theta, r)|^2} \quad (5)$$

where the superscripts p and o denote the conditions with and without the sheath, respectively. Substitution of Eq. (4) into Eq. (5) yields

$$g(\theta) = \frac{\left|E_{ap}^p\right|^2}{\left|E_{ap}^o\right|^2} \left| \frac{1}{\cos k_{pz} d + j \frac{k_{oz}}{k_{pz}} \sin k_{pz} d} \right|^2 \quad (6)$$

The gain function $g(\theta)$ is evaluated for a constant input power to the radiating system, with the source assumed to be well isolated from the aperture, so that changes in the driving point admittance of the aperture have no effect on the frequency or output of the source. Equation (6) therefore represents the total plasma attenuation.

The amplitude of the electric field developed in the aperture in the absence of the plasma E_{ap}^o can be expressed (neglecting the evanescent modes) as

$$E_{ap}^o = E_o^i (1 + \hat{r}_o) \quad (7)$$

where E_o^i is the incident electric field in the feed waveguide and \hat{r}_o is the complex voltage reflection coefficient for the aperture radiating into free space. In a similar manner the electric field in the presence of the plasma sheath can be expressed as

$$E_{ap}^p = E_o^i (1 + \hat{r}_p) \quad (8)$$

where \hat{r}_p is the complex voltage reflection coefficient of the aperture radiating into the plasma environment.

Combining Eqs. (6), (7), and (8) and normalizing the gain function yields

$$G(\theta) = g(\theta) \left| 1 + \frac{\hat{r}_o}{r} \right|^2$$

$$G(j) = \left| 1 + \frac{\hat{r}_p}{r} \right|^2 \left| \frac{1}{\cos k_{pz} d + j \frac{\omega}{k_{pz}} \sin k_{pz} d} \right|^2 \quad (9)$$

When the plasma is highly overdense, i.e., $|k_p| \gg k_o$, and the slab is thick compared with a plasma attenuation length, i.e., $\text{Im}(k_p d) \gg 1$, the following simplifications can be introduced:

$$G(\theta) \approx 4 \left| 1 + \frac{\hat{r}_p}{r} \right|^2 \exp[-2\text{Im}(k_p d)] \quad (10)$$

Furthermore, the aperture reflection coefficient \hat{r}_p is related to the driving point admittance of the slot Y_{ap}^p which radiates into the plasma environment

$$\hat{r}_p = \frac{1 - Y_{ap}^p / Y_g}{1 + Y_{ap}^p / Y_g} \quad (11)$$

The driving point admittance for an infinite slot antenna radiating into a plasma environment can be approximated by (Ref. 9)

$$Y_{ap}^p \approx \frac{k_p}{k_o} \left(\frac{\epsilon_o}{\mu_o} \right)^{1/2} \quad (12)$$

when the plasma region is assumed to be highly overdense and semi-infinite in extent. Equation (12) is also applicable for a plasma

slab geometry, provided the plasma is lossy and the slab thickness is much greater than an attenuation length. In other words, the reflections occurring at the aperture interface tend to be insensitive to the plasma thickness and are approximated by results obtained for a slot antenna radiating into a plasma half space.

The ratio $(\epsilon_0/\mu_0)^{1/2}/Y_g$ is related to the equivalent angle of incidence γ of the two plane waves reflecting off the walls of the waveguide which comprise the dominant TE mode (Ref. 10)

$$Y_g/(\epsilon_0/\mu_0)^{1/2} = \cos\gamma \quad (13)$$

Substituting Eqs. (11), (12) and (13) into Eq. (10) yields the approximate expression for the overall degradation by the highly reflecting and absorbing plasma sheath of the rf signal emanating from a slot antenna:

$$G(\theta) \approx \left| \frac{4 k_o \cos\gamma}{k_p} \right|^2 \exp[-2 \operatorname{Im}(k_p d)] \quad (14)$$

The plasma slab transmission coefficient for a plane wave incident upon the slab at an angle γ , with the electric field polarized in the plane of the plasma interface, is (Ref. 1)

$$t = \frac{E^t}{E^i} = \frac{e^{+jk_{oz}d}}{\cos k_{pz}d + (j/2)(k_{pz}/k_{oz} + k_{oz}/k_{pz}) \sin k_{pz}d} \quad (15)$$

Under the assumptions used in Eq. (14), namely $\text{Im } k_p d \gg 1$,
 $|k_p| \gg k_o$, the plane wave transmission coefficient reduces to

$$|t|^2 = \left| 4 \frac{k_o \cos \gamma}{k_p} \right|^2 \exp [-2\text{Im}(k_p d)]$$

which is the same result obtained from the slot antenna analysis,
i.e.,

$$G(\theta) = |t|^2$$

Thus the net effect produced by the thick overdense plasma sheath
on the rf radiation emanating from the slot is an overall attenuation
of the signal with no redistribution of the far-field radiation
pattern other than what would be predicted from plane wave theory.

C. INHOMOGENEOUS PLASMA PROPERTIES

The equivalent dielectric properties of the plasma slab were
assumed to be homogeneous in order to simplify the computations.
This assumption seems to yield more than adequate numerical
results for most reentry system analyses. For example, where
the plasma sheath is highly overdense and thin compared with a
plasma attenuation length (conditions which are satisfied in many
slender-body reentry vehicle configurations), the plane wave reflection
and transmission coefficients are functions of the integrated plasma
conductivity and are independent of the electron density distribution.
In other words, the signal attenuation through a plasma layer
is governed by the equivalent surface current or surface impedance,
which can be approximated by means of a homogeneous plasma slab.

When the thickness of the overdense plasma is smaller than a free space wavelength and is of the order of or greater than a plasma attenuation length (conditions which are normally characteristic of severe reentry blackout problems such as are observed in lifting reentry), the plasma reflection and transmission coefficients may be affected by the inhomogeneities within the reentry plasma sheath. Typical errors in the transmission coefficient attributed to the neglect of the inhomogeneities are illustrated in Fig. 8 as a function of both arbitrary polarization and angle of incidence.

The equivalent homogeneous plasma slab used to approximate the inhomogeneous case was characterized by a plasma frequency corresponding to the peak electron density in the sheath profile, a thickness which conserves the integrated electron density, and an average collision frequency. The homogeneous attenuation calculations were computed assuming a plane wave model for an arbitrary angle of incidence (Ref. 1) and results were compared with the inhomogeneous numerical results obtained by G. Bein (Ref. 11). The electron density distribution used by Bein is shown in Fig. 9, and is typical for a boundary layer plasma sheath. The peak electron density is 4×10^{11} electrons per cm^3 and the equivalent collision frequency is about 2×10^8 collisions per second. The equivalent homogeneous slab is also sketched in Fig. 9 and has a thickness of 0.5 cm. The signal frequency is 244.3 MHz. The results illustrated in Fig. 8 demonstrate that the errors associated with the homogeneous slab are well within reasonable tolerances compared with those signal attenuation errors associated with the estimation of electron density. For example, an error of a factor of two in electron density would result in a 6 dB error in the attenuation level, whereas the homogeneous assumption introduces an error of less than 2 dB.

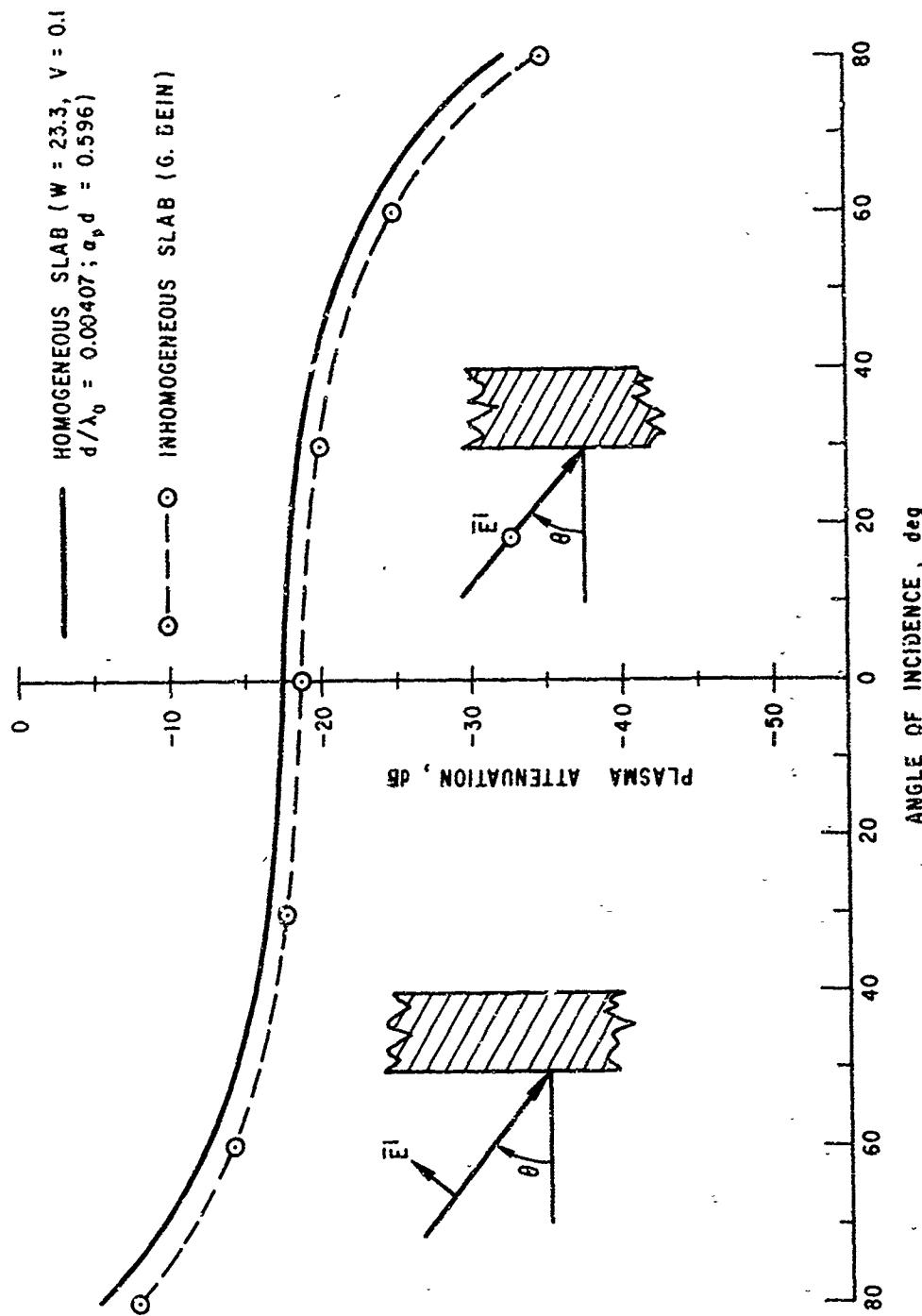


Fig. 8. Inhomogeneous Plasma Slab Attenuation

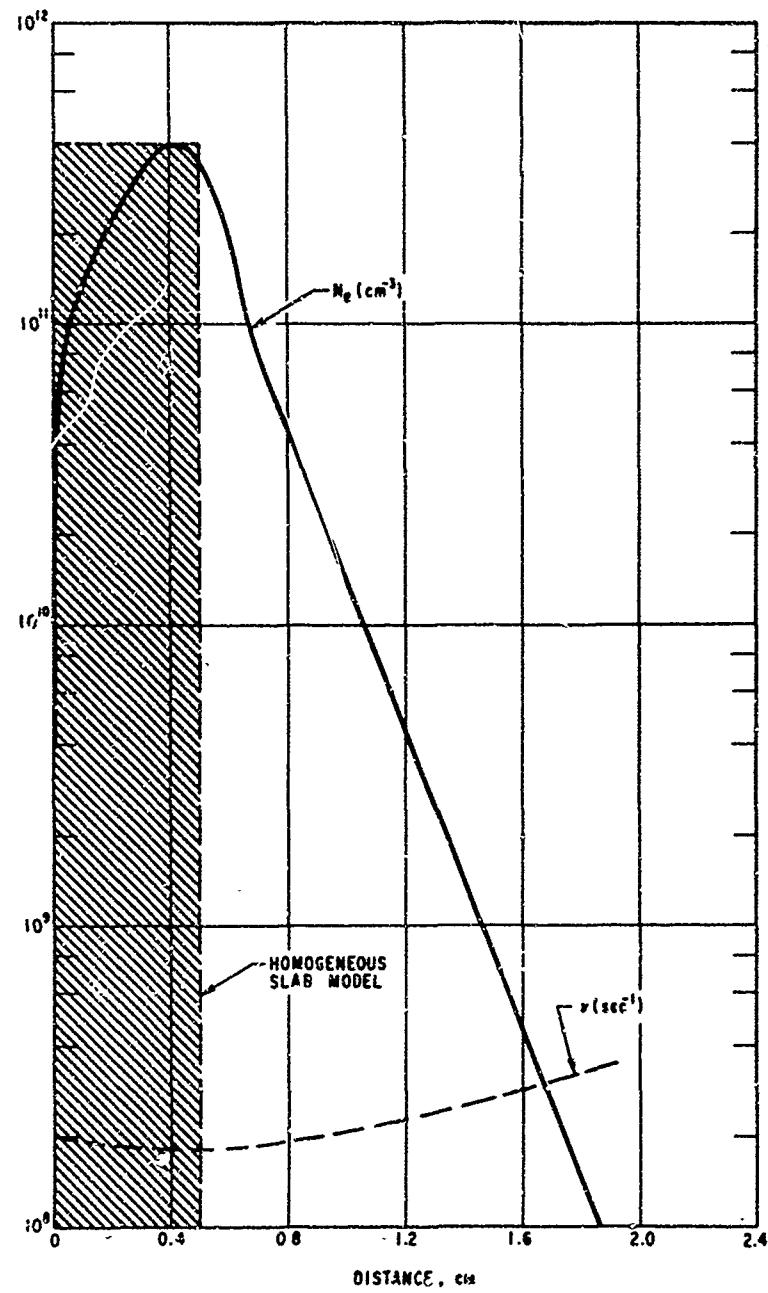


Fig. 9. Plasma Characteristics Used in Inhomogeneous Attenuation Computation

When the reentry plasma sheath has an equivalent thickness which is of the order of a free space wavelength, the reflection coefficient is more strongly dependent upon the inhomogeneous properties of the plasma; however, when the reentry plasma conditions produce severe signal blackout the dominant attenuation mechanism is absorption. Several examples of half-wavelength plasma sheaths characterized by a triangular electron density distribution are given in Volume I of this report. The results were then compared with an equivalent homogeneous slab model. The comparison illustrated that the homogeneous slab computation adequately approximated the signal attenuation produced by the inhomogeneous sheath. Typical errors were of the order of 1 to 2 dB in a total attenuation of -20 dB.

The preceding sample computations illustrate that plasma inhomogeneities introduce small deviations from the signal attenuation results obtainable from a homogeneous plasma slab model. The plasma characteristics used in the analysis were not intended to represent exact lifting reentry conditions, but were chosen to depict regions where departures from plane wave homogeneous results would be most prevalent. These results demonstrate that for most reentry conditions, ranging from slender body to severe lifting reentry configurations, the surrounding plasma sheath can be approximated by an equivalent homogeneous plasma slab.

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APPENDIX
PLANE WAVE ATTENUATION TABLES

NOTE ON USING TABLES

NOMENCLATURE

$$D/LAM.O = d/\lambda_o$$

$$W = \omega_p / \omega$$

$$\sqrt{LAM.O/W^2 D} = \sqrt{\lambda_o / W^2 d}$$

0.1000 E - 05 denotes 0.1×10^{-5}

0.1000 E + 05 denotes $0.1 \times 10^{+5}$

GUIDE TO VALUES OF VARIABLES

A. Pages A-3 through A-22

1. $\omega_p / \omega \rightarrow 0.8$ to 2.0 (complete range each page)
2. $\sqrt{\lambda_o / W^2 d} \rightarrow 10^{-3}$ to 1 (one value per page)
3. $d/\lambda_o \rightarrow 0.1$ to 3.5 (complete range each page)

B. Pages A-23 through A-42

1. $\omega_p / \omega \rightarrow 2.0$ to 50.0 (complete range each page)
2. $\sqrt{\lambda_o / W^2 d} \rightarrow 10^{-3}$ to 1 (one value per page)
3. $d/\lambda_o \rightarrow 10^{-4}$ to 2 (complete range each page)

C. Pages A-43 through A-62

1. $\omega_p / \omega \rightarrow 50$ to 800 (complete range each page)
2. $\sqrt{\lambda_o / W^2 d} \rightarrow 10^{-4}$ to 1 (one value per page)
3. $d/\lambda_o \rightarrow 10^{-5}$ to 1.5 (complete range each page)

D/LAM.0	W	-220. L3G ST/	VLMH.0/W**2D=	0.100000E-02	Y= 0.	2.00
0.1000E 00	0.2	1.00	1.10	1.20	1.30	1.40
0.2000E 00	0.3	0.6	0.9	1.2	1.6	2.0
0.3000E 00	0.5	1.4	2.2	3.1	4.2	5.4
0.4000E 00	0.9	1.7	2.8	4.2	6.1	8.1
0.4600E 00	1.1	2.3	4.1	6.6	9.4	12.4
0.5000E 00	1.0	2.6	5.4	9.0	12.9	16.8
0.6000E 00	0.7	2.1	6.6	11.5	16.5	21.4
0.7000E 00	0.3	2.5	7.7	13.9	20.1	25.9
0.8000E 00	0.0	2.0	8.7	16.4	23.7	30.4
0.9000E 00	0.1	1.3	9.6	16.9	27.3	34.9
0.1000E 01	0.4	0.6	10.4	21.4	30.4	39.5
0.1100E 01	0.1	0.8	0.1	1.2	2.9	3.5
0.1200E 01	0.1	0.2	1.1	1.9	2.6	4.2
0.1300E 01	0.1	0.7	1.2	2.5	28.9	41.8
0.1400E 01	0.8	1.4	1.3	2.2	31.4	45.4
0.1500E 01	0.5	2.1	1.3	1.7	33.9	49.0
0.1600E 01	0.1	2.5	14.3	36.4	52.6	66.7
0.1700E 01	0.1	2.0	14.8	38.9	56.3	71.2
0.1800E 01	0.3	2.7	15.3	41.5	59.9	75.8
0.1900E 01	0.7	2.4	15.8	44.0	61.5	80.3
0.2000E 01	1.1	1.8	16.2	46.5	67.1	84.8
0.2100E 01	1.2	1.1	16.6	49.0	70.8	89.4
0.2200E 01	1.0	5.5	17.1	51.5	74.4	93.7
0.2300E 01	0.6	0.3	17.5	54.0	78.0	78.4
0.2400E 01	0.3	0.6	17.8	56.5	81.6	103.0
0.2500E 01	3.1	1.2	18.2	59.2	85.2	107.5
0.2600E 01	0.1	0.3	18.5	61.5	88.9	112.0
0.2700E 01	0.1	2.5	16.9	64.0	92.5	116.6
0.2800E 01	1.0	2.9	19.3	66.5	96.1	121.1
0.2900E 01	1.2	2.3	19.6	69.0	99.7	125.6
0.3000E 01	1.1	2.7	19.9	71.5	103.4	130.2
0.3100E 01	0.9	2.3	20.2	74.0	107.0	140.7
0.3200E 01	0.5	1.7	20.5	76.5	110.	129.2
0.3300E 01	0.2	1.1	20.8	79.0	114.6	143.8
0.3400E 01	0.3	1.1	21.1	91.5	117.8	148.3
0.3500E 01	0.6	0.8	21.4	94.0	121.5	152.9

$\Omega/\text{LAM}, 0$	W	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00
0.1000E 00	0.2	0.3	0.4	0.6	0.9	1.2	1.6	2.0	2.5	3.1	3.8	4.5	5.2	
0.2000E 00	0.5	0.9	1.5	2.2	3.1	4.2	5.4	6.8	8.2	9.7	11.2	12.7	14.2	
0.3000E 00	0.9	1.7	2.8	4.3	6.1	8.1	10.3	12.5	14.8	17.1	19.2	21.5	23.7	
0.4000E 00	1.1	2.3	4.2	6.6	9.5	12.5	15.5	18.5	21.5	24.5	27.4	30.3	33.1	
0.5000E 00	1.0	2.7	5.5	9.1	13.0	16.9	20.8	24.6	28.4	32.0	35.6	39.1	42.6	
0.6000E 00	0.7	2.8	6.7	11.6	16.6	21.4	26.2	30.7	35.2	39.5	43.8	47.9	52.0	
0.7000E 00	0.4	2.6	7.8	14.1	20.2	26.0	31.5	36.9	42.0	47.0	52.0	56.8	61.5	
0.8000E 00	0.2	2.2	8.9	16.6	23.8	30.5	36.9	43.0	48.9	54.6	60.1	65.6	71.0	
0.9000E 00	0.2	1.6	9.8	19.1	27.4	35.1	42.3	49.1	55.7	62.1	68.3	74.4	80.4	
0.1000E 01	0.6	1.1	10.7	21.6	31.1	39.6	47.6	55.2	62.5	69.6	76.5	83.3	89.9	
0.1100E 01	1.0	0.7	11.5	24.2	34.7	44.2	53.0	61.3	69.3	77.1	84.7	92.1	99.3	
0.1200E 01	1.3	0.8	12.3	26.7	38.4	48.7	58.3	67.4	76.2	84.6	92.8	100.9	108.8	
0.1300E 01	1.3	1.4	13.1	29.2	42.0	53.3	63.7	73.5	83.0	92.1	101.0	109.7	118.2	
0.1400E 01	1.2	2.1	13.8	31.7	45.6	57.8	69.1	79.7	89.8	99.6	109.2	118.5	127.7	
0.1500E 01	0.9	2.8	14.5	34.2	49.3	62.4	74.4	85.8	96.6	107.1	117.3	127.3	137.1	
0.1600E 01	0.6	3.3	15.2	36.8	52.9	66.9	79.8	91.9	103.4	114.6	125.5	136.1	146.5	
0.1700E 01	0.6	3.6	15.8	29.3	56.5	71.5	85.1	98.0	110.3	122.1	133.6	144.9	155.9	
0.1800E 01	0.9	3.7	16.5	41.8	60.2	76.0	90.5	104.1	117.1	129.6	141.8	153.7	165.3	
0.1900E 01	1.3	3.5	17.1	44.3	63.8	80.5	95.8	110.2	123.9	137.1	149.9	162.5	174.7	
0.2000E 01	1.7	3.2	17.8	46.9	67.4	85.1	101.2	116.3	130.7	144.6	158.1	171.2	184.1	
0.2100E 01	1.8	2.9	18.4	49.4	71.1	89.6	106.5	122.4	137.5	152.1	166.2	180.0	193.5	
0.2200E 01	1.9	2.7	19.1	51.9	74.7	94.2	111.9	128.5	144.3	159.6	174.3	188.8	202.9	
0.2300E 01	1.5	2.8	19.8	54.5	78.3	98.7	117.2	134.6	151.1	167.0	182.5	197.5	212.3	
0.2400E 01	3.1	20.4	57.0	82.0	103.3	122.6	140.7	157.9	174.5	190.6	206.3	221.6		
0.2500E 01	1.3	3.7	21.2	59.5	85.6	107.8	127.9	146.8	164.7	182.0	198.7	215.0	231.0	
0.2600E 01	1.5	4.3	21.9	62.0	81.2	112.3	133.3	152.9	171.5	189.4	206.8	223.8	240.3	
0.2700E 01	1.9	4.8	22.7	64.6	92.9	116.9	138.6	158.9	178.3	196.9	214.9	232.5	249.7	
0.2800E 01	2.3	5.2	23.4	67.1	96.5	121.4	144.0	165.0	185.1	204.3	223.0	241.2	259.0	
0.2900E 01	2.5	5.5	24.3	69.6	100.1	125.9	149.3	171.1	191.8	211.8	231.1	249.9	268.3	
0.3000E 01	2.5	5.6	25.1	72.2	103.8	130.5	154.6	177.2	198.6	219.2	239.2	258.6	277.6	
0.3100E 01	2.4	5.6	26.0	74.7	107.4	135.0	160.0	183.3	205.4	226.7	247.3	267.3	286.9	
0.3200E 01	2.3	5.5	26.8	77.2	111.0	139.5	165.3	189.3	212.2	234.1	255.3	276.0	296.1	
0.3300E 01	2.3	5.6	27.8	79.8	114.7	144.1	170.6	195.4	218.9	241.5	263.4	284.7	305.4	
0.3400E 01	2.4	5.7	28.7	82.3	116.3	148.6	176.0	201.5	225.7	248.9	271.4	293.3	314.6	
0.3500E 01	2.7	6.0	29.6	84.8	121.9	153.1	181.3	207.5	232.4	256.4	279.5	302.0	323.9	

D/LAM.0	W	-20.	LOG /T/	VLM.0/H**2D=	0.20000E-01	Y= 0.	
0.1000E 00	0.90	1.00	1.10	1.20	1.30	1.40	1.50
0.2000E 00	0.2	0.3	0.4	0.5	0.6	0.7	0.8
0.3000E 00	0.6	0.9	1.5	2.2	3.1	4.2	5.4
0.4000E 00	0.9	1.7	2.8	4.3	6.1	8.2	10.3
0.5000E 00	1.1	2.3	4.2	6.7	9.5	12.6	15.6
0.6000E 00	1.1	2.8	5.6	9.2	13.1	17.0	20.9
0.7000E 00	0.8	2.9	6.8	11.7	16.7	21.5	26.3
0.8000E 00	0.5	2.8	8.0	14.2	20.3	26.1	31.6
0.9000E 00	0.3	2.5	9.1	16.7	23.9	30.7	37.0
0.1000E 01	0.4	2.0	10.1	19.3	27.6	35.2	42.4
0.1100E 01	0.8	1.6	11.1	21.8	31.3	39.8	47.8
0.1200E 01	1.2	1.4	12.0	24.4	34.9	44.3	53.1
0.1300E 01	1.5	1.6	12.9	26.9	38.6	48.9	58.5
0.1400E 01	1.6	2.1	13.7	29.5	42.2	52.5	63.8
0.1500E 01	1.3	2.8	14.5	32.0	45.9	58.0	69.2
0.1600E 01	1.1	4.1	15.4	34.6	49.5	62.6	74.6
0.1700E 01	1.2	4.5	16.2	37.1	53.2	67.1	79.9
0.1800E 01	1.5	4.7	17.6	39.7	56.8	71.7	85.3
0.1900E 01	2.0	4.8	18.8	44.8	60.4	76.2	90.6
0.2000E 01	2.3	4.8	19.7	47.3	67.7	85.3	103.0
0.2100E 01	2.6	4.8	20.6	49.9	71.4	89.8	106.6
0.2200E 01	2.6	4.9	21.6	52.6	75.0	94.3	111.9
0.2300E 01	2.5	5.2	22.6	55.0	78.7	98.9	117.7
0.2400E 01	2.5	5.7	23.7	57.6	82.3	103.4	122.5
0.2500E 01	2.6	6.3	24.8	60.1	85.9	107.9	127.8
0.2600E 01	2.8	6.9	25.9	62.7	89.6	112.4	133.1
0.2700E 01	3.2	7.5	27.0	65.3	93.2	116.9	138.4
0.2800E 01	3.6	8.0	28.2	67.6	96.8	121.5	143.7
0.2900E 01	3.9	8.5	29.4	70.4	100.5	126.0	149.0
0.3000E 01	4.1	8.9	30.7	73.0	104.1	130.5	154.3
0.3100E 01	4.2	9.2	31.9	75.6	107.7	135.0	159.5
0.3200E 01	4.2	9.6	33.2	78.1	111.3	139.4	164.8
0.3300E 01	4.4	10.1	34.5	80.7	115.0	143.9	170.1
0.3400E 01	4.7	10.6	35.9	83.3	118.6	148.4	175.3
0.3500E 01	5.0	11.1	37.2	85.9	122.2	152.9	180.5

D/LAM.0	H	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00
0.1000E 00	0.2	0.3	0.4	0.6	0.9	1.2	1.6	2.0	2.6	3.2	3.8	4.5	5.3	
0.2000E 00	0.6	0.9	1.5	2.2	3.1	4.2	5.5	6.8	8.3	9.7	11.3	12.8	14.3	
0.3000E 00	0.9	1.7	2.8	4.4	6.2	8.2	10.4	12.6	14.9	17.1	19.4	21.4	23.8	
0.4000E 00	1.2	2.4	4.3	6.7	9.6	12.6	15.6	18.7	21.7	24.6	27.5	31.4	33.2	
0.5000E 00	1.1	2.8	5.6	9.2	13.1	17.1	21.0	24.8	28.5	32.2	35.7	39.3	42.7	
0.6000E 00	0.9	3.0	6.9	11.8	16.8	21.6	26.4	30.9	35.4	39.7	43.9	48.1	52.2	
0.7000E 00	0.6	3.0	8.2	14.3	20.4	26.2	31.7	37.1	42.2	47.2	52.1	56.9	61.6	
0.8000E 00	0.4	2.7	9.3	16.9	24.1	30.8	37.1	43.2	47.9	54.7	60.7	65.7	71.0	
0.9000E 00	0.6	2.4	10.4	19.5	27.7	35.4	42.5	49.7	55.9	62.2	68.7	74.5	80.4	
0.1000E 01	1.0	2.1	1.4	22.1	31.4	39.9	47.9	55.4	62.7	69.7	74.5	83.2	89.7	
0.1100E 01	1.4	2.0	12.4	24.6	35.1	44.5	53.2	61.5	69.5	77.2	84.6	91.9	99.0	
0.1200E 01	1.8	2.3	13.4	27.2	38.7	49.0	58.6	67.6	76.3	84.6	92.7	100.6	108.3	
0.1300E 01	1.9	2.9	14.3	29.8	42.4	53.6	63.7	73.7	83.0	92.0	100.8	109.3	117.5	
0.1400E 01	1.9	3.6	15.3	32.3	46.1	58.7	69.3	79.8	89.8	99.5	108.8	117.9	126.7	
0.1500E 01	1.7	4.4	16.2	34.9	49.7	62.7	74.6	85.8	96.5	106.8	116.8	126.5	135.8	
0.1600E 01	1.7	5.0	17.0	37.5	53.4	67.2	80.0	91.9	103.3	114.2	124.8	135.0	144.9	
0.1700E 01	1.8	5.5	18.3	40.1	57.0	71.8	85.3	97.9	110.0	121.5	132.7	143.5	154.0	
0.1800E 01	2.1	5.8	19.3	42.7	60.7	76.3	90.6	104.0	116.7	128.9	140.6	151.9	162.9	
0.1900E 01	2.6	6.1	20.4	45.2	64.3	80.1	95.9	110.0	123.3	136.1	148.5	160.3	171.8	
0.2000E 01	3.0	6.3	21.6	47.8	68.0	85.3	101.2	116.0	130.0	143.4	156.3	168.7	180.7	
0.2100E 01	3.3	6.6	22.8	50.6	71.6	87.9	106.5	121.9	136.0	150.6	164.1	177.0	189.5	
0.2200E 01	3.5	7.0	24.0	53.0	75.2	96.4	111.7	127.9	143.2	157.8	171.8	185.3	198.2	
0.2300E 01	3.5	7.5	25.3	55.6	78.9	98.9	117.0	133.8	142.8	165.0	179.5	193.5	206.9	
0.2400E 01	3.6	8.1	26.6	58.2	82.5	103.3	122.2	137.8	156.3	172.1	187.2	201.6	215.4	
0.2500E 01	3.3	8.8	28.0	60.8	86.1	107.8	127.4	145.7	162.9	179.2	194.8	209.7	223.9	
0.2600E 01	4.1	9.5	29.4	63.4	79.8	112.2	132.7	151.6	169.4	186.2	202.3	217.7	232.4	
0.2700E 01	4.6	10.2	30.8	66.0	82.4	116.8	137.9	157.4	175.8	193.3	209.9	225.7	240.7	
0.2800E 01	5.0	10.9	32.2	68.6	97.0	121.2	143.0	163.3	182.3	200.2	217.3	233.6	249.0	
0.2900E 01	5.4	11.5	33.7	71.2	100.6	125.7	148.2	169.1	188.7	201.2	224.7	241.4	257.2	
0.3000E 01	5.7	12.2	35.2	73.9	104.2	130.1	153.4	174.9	195.1	214.1	232.1	249.2	265.3	
0.3100E 01	5.9	12.8	36.7	76.7	107.8	134.5	158.5	180.7	201.4	220.9	237.4	256.9	273.4	
0.3200E 01	6.1	13.5	38.3	79.1	111.4	138.9	163.6	186.4	207.7	227.8	246.7	264.5	281.3	
0.3300E 01	6.4	14.2	39.9	81.7	115.0	143.3	168.8	192.2	214.0	234.5	253.9	272.1	289.2	
0.3400E 01	6.8	15.0	84.4	118.6	147.7	173.8	197.9	220.3	241.3	261.0	279.6	297.0		
0.3500E 01	7.3	15.4	43.1	87.0	122.2	152.1	178.9	203.6	226.5	248.0	268.1	287.0		

D/LAM. D	H	-20. LOG RT/	VLMH,0/H**2D=	0.400000E-01	Y= 0.
0.7000E-01	0.0	1.00	1.10	1.20	1.30
0.2000E+00	0.3	0.4	0.6	1.5	2.9
0.3000E+00	0.6	0.9	1.7	4.3	8.8
0.4000E+00	1.0	1.0	2.4	4.3	9.3
0.5000E+00	1.2	1.2	2.9	5.7	9.3
0.6000E+00	1.0	1.0	3.1	7.1	11.9
0.7000E+00	0.7	0.7	3.2	8.3	14.5
0.8000E+00	0.6	0.6	3.0	9.5	17.1
0.9000E+00	0.7	0.7	2.7	10.6	19.7
0.1000E+01	1.1	1.1	2.5	11.7	22.3
0.1100E+01	1.6	1.6	2.6	12.8	24.9
0.1200E+01	2.0	3.0	13.9	27.4	38.9
0.1300E+01	2.2	3.4	14.9	30.0	42.6
0.1400E+01	2.2	4.4	16.0	32.6	46.2
0.1500E+01	2.2	5.2	17.1	35.2	49.9
0.1600E+01	2.2	5.9	18.3	37.8	53.6
0.1700E+01	2.4	6.5	19.4	40.5	57.2
0.1800E+01	2.8	7.0	20.7	43.1	60.9
0.1900E+01	3.2	7.4	22.0	45.7	64.5
0.2000E+01	3.7	7.8	23.4	48.3	68.1
0.2100E+01	4.1	8.3	24.8	50.9	71.8
0.2200E+01	4.3	9.9	26.2	53.5	75.4
0.2300E+01	4.5	9.6	27.7	56.2	79.0
0.2400E+01	4.7	10.3	29.2	58.8	82.6
0.2500E+01	5.0	11.1	30.8	61.5	86.2
0.2600E+01	5.4	12.0	32.3	64.1	90.8
0.2700E+01	5.9	12.8	34.0	66.7	93.4
0.2800E+01	6.4	13.7	35.6	69.4	97.0
0.2900E+01	6.8	14.5	37.3	72.1	103.6
0.3000E+01	7.2	15.3	39.0	74.7	104.2
0.3100E+01	7.6	16.2	40.7	77.4	107.7
0.3200E+01	8.0	17.1	42.4	80.1	111.3
0.3300E+01	8.4	18.0	44.2	82.7	114.8
0.3400E+01	9.0	19.0	46.0	85.4	118.4
0.3500E+01	9.5	20.0	47.8	88.1	121.9

D/LAMH.0	N	-20. LOG /T/	VLAN.0/W**20*	0.50000E-01	Y= 0.	2.00
0.1000E 00	0.80	0.90	1.00	1.10	1.20	1.30
0.2000E 00	0.2	0.3	0.4	0.5	0.6	0.7
0.3000E 00	0.6	1.0	1.5	2.2	3.2	4.3
0.4000E 00	1.0	1.8	2.9	4.4	6.3	8.3
0.5000E 00	1.2	2.5	4.4	6.9	9.7	12.7
0.6000E 00	1.2	3.0	5.8	9.4	13.3	17.2
0.7000E 00	1.0	3.2	7.2	12.0	17.0	21.8
0.8000E 00	0.8	3.3	8.5	14.6	20.6	26.5
0.9000E 00	0.7	3.2	9.7	17.2	24.3	31.9
1.0000E 01	0.9	3.0	10.9	19.8	28.0	35.6
1.1000E 01	1.3	3.0	12.1	22.5	31.7	40.1
1.2000E 01	1.8	3.1	13.2	25.1	35.4	44.7
1.3000E 01	2.2	3.6	14.3	27.7	39.1	49.3
1.4000E 01	2.5	4.3	15.5	30.3	42.7	53.8
0.1400E 01	2.6	5.2	16.5	32.9	46.4	58.3
0.1500E 01	2.6	6.0	17.9	35.6	50.1	62.8
0.1600E 01	2.7	6.8	19.2	38.2	53.7	67.3
0.1700E 01	2.9	7.4	20.6	40.8	57.4	71.8
0.1800E 01	3.4	8.1	22.0	43.5	61.0	76.3
0.1900E 01	3.9	8.6	23.5	46.1	64.6	80.7
0.2000E 01	4.4	9.2	25.0	48.8	68.2	85.2
0.2100E 01	4.8	9.9	26.5	51.4	71.8	89.6
0.2200E 01	5.1	10.7	28.2	54.1	75.5	94.0
0.2300E 01	5.4	11.5	29.8	56.7	79.0	98.3
0.2400E 01	5.7	12.4	31.5	59.4	82.6	102.7
0.2500E 01	6.1	13.4	33.2	62.1	86.2	107.0
0.2600E 01	6.6	14.3	34.9	64.8	89.8	111.3
0.2700E 01	7.2	15.3	36.7	67.4	93.8	115.6
0.2800E 01	7.8	16.3	38.5	70.1	96.9	119.9
0.2900E 01	8.1	17.3	40.3	72.8	100.4	120.7
0.3000E 01	8.8	18.3	42.2	75.5	103.9	128.4
0.3100E 01	9.3	19.4	44.0	78.2	107.4	132.5
0.3200E 01	9.8	20.5	45.9	80.9	110.9	136.7
0.3300E 01	10.3	21.6	47.9	83.6	114.4	140.4
0.3400E 01	10.9	22.7	49.8	86.3	117.9	145.0
0.3500E 01	11.6	23.9	51.3	89.0	121.3	149.1

D/LAM.0	W	-20. LOG ST/	VLM.0/W**2D=	0.600000E-01	Y= 0.	2.00
0.1000E 00	0.90	1.00	1.10	1.20	1.30	1.40
0.2000E 00	0.2	0.4	0.6	0.9	1.2	1.6
0.3000E 00	1.0	1.5	2.3	3.2	4.3	5.6
0.4000E 00	1.8	2.9	4.5	6.3	8.3	10.5
0.5000E 00	2.5	4.4	6.9	9.8	12.8	15.8
0.6000E 00	3.0	5.9	9.5	13.4	17.3	21.2
0.7000E 00	1.1	3.3	7.3	12.1	17.1	21.9
0.8000E 00	0.7	3.5	8.6	14.7	20.8	26.5
0.9000E 00	0.8	3.4	9.9	17.4	24.5	31.1
0.1000E 01	1.0	3.4	11.2	20.0	28.1	35.7
0.1100E 01	1.5	3.4	12.4	22.6	31.8	40.2
0.1200E 01	2.0	3.7	13.6	25.3	35.5	44.8
0.1300E 01	2.5	4.2	14.8	27.9	39.2	49.3
0.1400E 01	2.8	5.0	16.1	30.6	42.9	53.8
0.1500E 01	2.9	5.9	17.4	33.2	46.5	58.3
0.1600E 01	3.0	6.8	18.8	35.9	50.2	62.8
0.1700E 01	3.2	7.6	20.2	38.5	53.8	67.3
0.1800E 01	3.5	8.4	21.7	41.2	57.5	71.7
0.1900E 01	4.0	9.1	23.2	43.8	61.1	76.1
0.2000E 01	4.5	9.7	24.8	46.5	64.7	80.5
0.2100E 01	5.1	10.6	26.5	49.2	68.3	84.9
0.2200E 01	5.6	11.4	28.2	51.9	71.9	89.2
0.2300E 01	6.0	12.3	29.9	54.6	75.4	93.6
0.2400E 01	6.3	13.3	31.1	57.2	79.0	97.9
0.2500E 01	6.8	14.4	33.5	59.9	82.6	102.1
0.2600E 01	7.2	15.4	35.3	62.6	86.1	106.3
0.2700E 01	7.6	16.5	37.2	65.4	89.6	110.5
0.2800E 01	8.5	17.6	39.1	68.1	93.1	114.7
0.2900E 01	9.1	18.7	41.0	70.8	96.6	118.9
0.3000E 01	10.3	21.1	44.9	76.2	103.5	127.0
0.3100E 01	10.9	22.3	46.9	78.9	107.0	131.1
0.3200E 01	11.5	23.5	48.9	81.7	110.4	135.1
0.3300E 01	12.2	24.8	50.9	84.4	113.8	139.1
0.3400E 01	12.9	26.1	52.0	87.1	117.2	143.0
0.3500E 01	13.6	27.4	51.7	89.8	120.5	146.9

D/LAM.0	W	-20. LOG /T/	VLM.0/W**2D=	0.700000E-01	Y=	C.							
0.1000E 00	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00
0.2000E 00	0.2	0.3	0.4	0.6	0.9	1.2	1.6	2.1	2.6	3.2	3.9	4.6	5.3
0.3000E 00	0.6	1.0	1.5	2.3	3.2	4.3	5.6	6.9	8.4	9.9	11.4	12.9	14.4
0.4000E 00	1.0	1.8	3.0	4.5	6.3	8.4	10.6	12.8	15.0	17.3	19.5	21.7	23.9
0.5000E 00	1.3	2.5	4.5	7.0	9.8	12.8	15.9	18.9	21.9	24.8	27.7	30.6	33.4
0.6000E 00	1.2	3.1	6.0	9.6	13.5	17.4	21.3	25.0	28.7	32.4	35.9	39.4	42.7
0.7000E 00	1.0	3.4	7.4	12.2	17.1	22.0	26.7	31.2	35.6	39.8	44.0	48.1	52.0
0.8000E 00	1.0	3.6	8.8	14.9	20.9	26.6	32.0	37.3	42.4	47.3	52.0	56.7	61.2
0.9000E 00	1.0	3.7	10.1	17.5	24.6	31.2	37.4	43.4	49.1	54.7	60.0	65.2	70.2
0.1000F 01	1.2	3.7	11.4	20.2	28.3	35.7	42.8	49.4	55.8	62.0	67.9	73.6	79.1
0.1100F 01	1.7	3.8	12.7	22.8	32.0	46.3	48.1	55.4	62.5	69.2	75.7	81.9	87.8
0.1200F 01	2.2	4.2	14.0	25.5	35.6	44.8	53.4	61.4	69.0	76.3	83.3	90.0	96.4
0.1300F 01	2.7	4.8	15.3	28.1	39.3	49.4	58.6	67.3	75.6	83.4	90.9	98.0	104.8
0.1400F 01	3.0	5.1	16.6	30.8	43.0	53.9	63.8	73.2	82.0	90.4	98.3	105.9	113.0
0.1500F 01	3.2	6.6	18.0	33.5	46.6	58.3	69.0	79.0	88.4	97.2	105.6	113.5	121.0
0.1600F 01	3.4	7.6	19.5	36.1	50.3	62.8	74.2	84.8	94.7	104.0	112.8	121.1	128.8
0.1700F 01	3.6	8.5	21.1	38.6	53.9	67.2	79.3	90.4	100.9	110.7	119.8	128.4	136.4
0.1800F 01	4.0	9.3	22.7	41.5	57.5	71.6	84.3	96.1	107.0	117.2	126.7	135.6	143.8
0.1900F 01	4.6	10.2	24.3	44.2	61.1	75.9	89.3	101.6	113.1	123.7	133.5	142.6	151.0
0.2000F 01	5.2	11.0	26.1	46.9	64.7	80.3	94.3	107.1	119.0	130.0	140.1	149.4	158.0
0.2100F 01	6.3	11.3	27.8	49.6	68.3	84.6	99.6	112.6	124.9	136.0	146.6	156.1	164.7
0.2200F 01	6.8	13.9	29.6	52.3	71.8	88.8	104.0	117.9	130.6	142.2	152.9	162.6	171.3
0.2300F 01	7.3	15.0	33.3	57.7	78.9	97.2	113.6	128.4	141.8	154.0	165.1	175.0	183.8
0.2400F 01	7.8	16.2	35.2	60.4	82.4	101.4	118.3	133.5	147.3	159.7	170.9	180.9	189.8
0.2500F 01	8.3	17.4	37.2	63.2	85.9	105.5	122.9	138.5	152.6	165.3	176.6	186.7	195.5
0.2600F 01	9.0	18.6	39.1	65.9	89.3	109.6	127.5	143.5	157.9	170.7	182.2	192.3	201.1
0.2700F 01	9.7	19.8	41.1	68.6	92.8	113.6	132.0	148.4	163.0	176.0	187.6	197.7	206.4
0.2800F 01	10.4	21.0	43.1	71.3	96.2	117.6	136.5	153.2	168.1	181.2	192.8	202.9	211.6
0.2900F 01	11.1	22.3	45.2	76.1	99.6	121.6	140.8	157.9	173.0	186.3	197.9	208.0	216.6
0.3000F 01	11.8	23.6	47.2	76.8	102.9	125.5	145.2	162.5	177.8	191.2	202.9	212.9	221.5
0.3100F 01	12.5	25.0	49.3	79.5	106.3	129.3	149.4	167.1	182.6	196.1	207.7	217.7	226.1
0.3200F 01	13.2	26.3	51.4	82.2	109.6	133.2	153.6	171.5	187.2	200.8	212.4	222.3	230.6
0.3300F 01	14.0	27.7	53.3	84.9	112.9	136.9	157.8	175.9	191.7	205.3	217.0	226.8	235.0
0.3400F 01	14.8	29.1	55.6	87.7	116.2	140.7	161.9	180.2	196.1	209.8	221.4	231.1	239.2
0.3500F 01	15.6	30.6	57.6	90.4	119.5	144.4	165.9	184.4	200.4	214.1	225.7	235.3	243.2

D/LAM.0	W	-20.	LOG /T/	VLMH.0/W**2D=	0.80000E-01	Y= 0.
0.1000E 00	0.80	0.90	1.00	1.10	1.20	1.30
0.2000E 00	0.2	0.3	0.4	0.6	0.9	1.2
0.3000E 00	0.6	1.0	1.8	3.0	4.5	6.4
0.4000E 00	1.3	2.6	4.5	7.0	9.9	12.9
0.5000E 00	1.3	3.2	6.0	9.6	13.5	17.4
0.6000E 00	1.2	3.5	7.5	12.3	17.2	22.1
0.7000E 00	1.1	3.8	8.9	15.0	20.9	26.7
0.8000E 00	1.1	3.9	10.3	17.7	24.7	31.2
0.9000E 00	1.9	4.0	11.6	20.3	28.4	35.8
0.1000E 01	1.9	4.2	13.0	23.0	32.1	40.4
0.1100E 01	2.4	4.7	14.3	25.7	35.8	44.9
0.1200E 01	2.9	5.4	15.7	28.4	32.4	49.4
0.1300E 01	3.3	6.3	17.2	31.0	43.1	53.8
0.1400E 01	3.6	7.3	18.7	33.7	46.7	58.3
0.1500E 01	3.8	8.3	20.3	36.4	50.3	62.7
0.16C0E 01	4.1	9.3	21.9	39.1	54.0	67.0
0.1700E 01	4.6	10.2	23.6	41.8	57.5	71.4
0.1800E 01	5.1	11.2	25.4	44.5	61.1	75.6
0.1900E 01	5.8	12.2	27.2	47.2	64.7	79.9
0.2000E 01	6.4	13.2	29.0	50.0	68.2	84.1
0.2100E 01	7.0	14.3	30.9	52.7	71.7	98.3
0.2200E 01	7.6	15.4	32.9	55.4	75.2	92.4
0.2300E 01	8.1	16.6	34.8	58.1	78.1	95.8
0.2400E 01	8.7	17.9	36.8	60.9	82.1	100.5
0.2500E 01	9.4	19.1	38.8	63.6	85.5	104.5
0.2600E 01	10.1	20.5	40.9	66.3	88.9	108.4
0.2700E 01	10.9	21.8	42.9	69.1	92.3	112.3
0.2800E 01	11.7	23.1	45.0	71.8	95.6	116.2
0.2900E 01	12.4	24.5	47.1	74.5	98.9	119.9
0.3000E 01	13.2	25.9	49.2	77.2	102.2	123.7
0.3100E 01	14.0	27.4	51.4	79.9	105.4	127.4
0.3200E 01	14.8	28.9	53.5	82.6	108.7	131.0
0.3300E 01	15.7	30.3	55.7	85.3	111.9	134.6
0.3400E 01	16.6	31.9	57.8	88.0	115.0	138.1
0.3500E 01	17.5	33.4	60.0	90.7	118.1	141.6

$W/LAM.0$	W	-20.	LOG $/T/$	VLAM.0/4**2D=	0.900000E-01	$Y=$	0.
0.1000E 00	0.80	0.90	1.00	1.10	1.20	1.30	1.40
0.2000E 00	0.2	0.3	0.4	0.5	0.6	0.7	0.8
0.3000E 00	0.6	1.0	1.6	2.3	3.3	4.4	5.6
0.4000E 00	1.0	1.3	2.0	3.0	4.6	6.4	8.5
0.5000E 00	1.4	1.4	2.6	4.6	7.1	9.9	12.9
0.6000E 00	1.3	3.6	6.1	9.7	13.6	17.5	21.4
0.7000E 00	1.2	3.9	9.1	15.1	21.0	26.7	32.2
0.8000E 00	1.2	4.1	10.5	17.8	24.8	31.3	37.5
0.9000E 00	1.5	4.3	11.9	20.5	28.5	35.9	42.8
0.1000E 01	2.0	4.6	13.3	23.2	32.2	40.4	48.1
0.1100E 01	2.6	5.2	14.7	25.9	35.9	44.9	53.3
0.1200E 01	3.2	6.0	16.2	28.6	39.5	49.4	58.4
0.1300E 01	3.6	6.9	17.7	31.3	43.2	53.8	63.5
0.1400E 01	3.9	8.0	19.3	34.0	46.8	58.2	68.6
0.1500E 01	4.2	9.0	20.7	36.7	50.4	62.5	73.5
0.1600E 01	4.6	10.1	22.7	39.4	54.0	66.8	78.4
0.1700E 01	5.1	11.1	24.5	42.1	57.5	71.1	83.3
0.1800E 01	5.7	12.2	26.3	44.8	61.1	75.3	88.1
0.1900E 01	6.4	13.2	28.2	47.6	64.6	79.5	92.7
0.2000E 01	7.1	14.4	30.2	50.3	68.1	83.0	97.4
0.2100E 01	7.7	15.6	32.1	53.0	71.5	87.6	101.9
0.2200E 01	8.4	16.8	34.1	55.8	75.0	91.6	106.4
0.2300E 01	9.0	18.1	36.2	58.5	78.4	95.6	110.8
0.2400E 01	9.7	19.4	38.2	61.2	81.7	99.5	115.1
0.2500E 01	10.4	20.8	40.3	64.0	85.1	103.3	119.3
0.2600E 01	11.2	22.2	42.4	66.7	88.4	107.1	123.4
0.2700E 01	12.0	23.6	44.5	69.4	91.7	110.9	127.5
0.2800E 01	12.9	25.1	46.6	72.1	94.9	114.5	131.5
0.2900E 01	13.7	26.5	48.8	74.8	98.1	118.1	135.3
0.3000E 01	14.6	28.1	50.9	77.5	101.3	121.7	139.2
0.3100E 01	15.5	29.6	53.1	80.2	104.4	125.2	142.9
0.3200E 01	16.4	51.1	55.3	82.9	107.6	128.6	146.5
0.3300E 01	17.3	32.7	57.5	85.5	110.6	132.0	150.1
0.3400E 01	18.3	34.3	59.7	88.2	113.6	135.3	153.6
0.3500E 01	19.2	35.9	61.9	90.8	116.6	138.6	156.9

D/LAM,0	W	-20. LOG /T/	V1AM,0/W**2D=	0.100000E 00	Y= 0.	2.00
0.1000E 00	0.90	1.00	1.10	1.30	1.40	1.60
0.2000E 00	0.42	0.3	0.4	0.6	0.9	1.20
0.3000E 00	0.6	1.0	1.6	2.3	3.3	4.4
0.4000E 00	1.0	1.9	3.0	4.6	6.4	8.5
0.5000E 00	1.3	2.6	4.6	7.1	10.0	13.0
0.6000E 00	1.4	3.3	6.2	9.8	13.7	17.7
0.7000E 00	1.3	4.1	9.2	15.2	21.1	26.8
0.8000E 00	1.3	4.3	10.7	17.9	24.9	31.4
0.9000E 00	1.7	4.6	12.1	20.6	28.6	35.9
0.1000E 01	2.2	5.0	13.6	23.3	32.3	40.4
0.1100E 01	2.9	5.6	15.0	26.0	35.9	44.9
0.1200E 01	3.4	6.5	16.6	28.6	39.6	49.3
0.1300E 01	3.9	7.5	18.2	31.5	43.2	53.7
0.1400E 01	4.2	8.6	19.7	34.2	46.8	58.0
0.1500E 01	4.6	9.8	21.6	36.9	50.4	62.3
0.1600E 01	5.0	10.9	23.4	39.6	54.0	66.6
0.1700E 01	5.6	12.0	25.3	42.4	57.5	70.8
0.1800E 01	6.3	13.1	27.2	45.1	61.0	74.9
0.1900E 01	7.0	14.3	29.2	47.9	64.5	79.0
0.2000E 01	7.7	15.5	31.2	50.6	67.9	83.0
0.2100E 01	8.5	16.8	33.2	53.3	71.3	86.9
0.2200E 01	9.1	18.1	35.3	56.1	74.7	90.8
0.2300E 01	9.9	19.5	37.3	58.8	78.0	94.6
0.2400E 01	10.6	20.9	39.4	61.5	81.3	98.4
0.2500E 01	11.4	22.3	41.6	64.2	86.6	102.1
0.2600E 01	12.3	23.8	43.7	66.9	87.8	105.7
0.2700E 01	13.2	25.3	45.9	69.6	91.0	109.3
0.2800E 01	14.1	26.8	48.0	72.3	94.1	112.8
0.2900E 01	15.0	28.4	50.2	75.0	97.2	116.2
0.3000E 01	15.9	30.0	52.4	77.7	100.3	119.6
0.3100E 01	16.9	31.6	54.6	80.3	103.3	122.9
0.3200E 01	17.8	33.2	56.8	82.9	106.3	126.1
0.3300E 01	18.8	34.8	59.0	85.5	109.2	129.2
0.3400E 01	19.9	36.5	61.2	88.1	112.1	132.3
0.3500E 01	20.9	38.2	63.4	90.7	115.0	135.4

0/1A.M. 0		-20. LOG /Y/		'VLM.0/W**2D=		0.20000E 00		Y= 0.	
0.80	h	0.90	0.00	1.10	1.20	1.30	1.40	1.50	1.60
0.2	0.3	0.5	0.7	1.0	1.3	1.7	2.2	2.8	3.4
0.6	1.1	1.7	2.5	3.5	4.6	5.9	7.3	9.4	11.7
0.3000E 00	0.12	2.0	3.3	4.9	6.6	8.9	11.0	13.3	15.5
0.2000E 00	1.6	3.0	5.1	7.6	10.5	13.4	16.4	19.4	22.2
0.4000E 00	1.8	3.9	6.9	10.5	14.3	18.1	21.8	25.4	28.8
0.5000E 00	2.0	4.7	8.7	13.3	18.0	22.6	27.0	31.2	35.2
0.6000E 00	2.2	5.4	10.4	16.2	21.8	27.1	32.2	36.9	41.3
0.7000E 00	2.6	6.1	12.2	19.0	25.5	31.5	37.1	42.3	47.1
0.8000E 00	2.2	7.0	14.0	21.8	29.1	35.8	41.9	47.5	52.6
0.9000E 00	4.0	8.1	15.9	24.6	32.6	39.9	46.5	52.5	57.8
0.1000E 01	4.8	9.3	17.9	27.4	36.1	43.9	50.9	57.2	62.7
0.1100E 01	5.7	10.7	19.9	30.1	39.5	47.8	55.2	61.7	67.3
0.1200E 01	6.5	12.2	21.9	32.8	42.8	51.6	59.2	65.9	71.6
0.1300E 01	7.3	13.7	24.1	35.6	46.0	55.2	63.1	70.9	75.6
0.1400E 01	8.1	15.3	26.2	38.3	49.2	58.6	66.1	73.6	79.4
0.1500E 01	9.1	16.9	28.4	40.9	52.0	62.0	70.2	77.1	82.9
0.1600E 01	10.1	18.5	30.6	43.5	55.2	65.1	73.5	80.4	86.1
0.1700E 01	11.1	20.1	32.7	46.3	58.1	68.2	76.6	83.5	89.1
0.1800E 01	12.3	21.8	34.9	48.6	60.8	71.1	79.6	86.4	91.9
0.1900E 01	13.4	23.5	37.1	51.1	63.5	73.9	82.4	89.2	95.6
0.2000E 01	14.5	25.2	39.2	53.6	66.1	76.6	85.0	91.7	96.9
0.2100E 01	15.7	27.0	41.4	55.9	68.6	79.1	87.5	94.1	99.3
0.2200E 01	16.9	28.7	43.5	58.3	71.0	81.5	89.8	96.3	101.2
0.2300E 01	18.1	30.4	45.6	60.5	73.4	83.8	92.0	98.4	103.1
0.2400E 01	19.4	32.2	47.7	52.7	75.6	86.0	94.1	100.9	106.3
0.2500E 01	20.6	33.9	49.7	54.9	77.8	89.1	96.1	102.1	108.9
0.2600E 01	21.9	35.7	51.7	67.0	79.8	90.1	97.9	103.8	109.5
0.2700E 01	23.2	37.4	53.7	69.0	81.8	91.9	99.7	105.4	111.2
0.2800E 01	24.5	39.2	55.6	71.0	83.7	93.7	101.3	106.9	112.8
0.2900E 01	25.0	40.9	57.5	72.9	85.6	95.4	102.9	108.3	114.9
0.3000E 01	27.2	42.6	59.4	74.8	87.3	97.1	104.3	109.6	115.0
0.3100E 01	28.5	44.3	61.2	76.6	89.0	98.6	105.7	110.8	116.0
0.3200E 01	29.8	45.9	63.0	78.3	90.6	100.1	107.0	112.0	117.4
0.3300E 01	31.2	47.6	64.0	80.0	92.2	101.5	108.2	113.1	118.8
0.3400E 01	32.5	49.2	66.5	81.6	93.7	102.8	109.4	114.1	119.6

D/LAM.0	W	-20. LOG /T/	VLMH.0/W**2D*	0.30000E 00	Y= 0.
0.1000E 00	0.90	1.00	1.10	1.30	1.50
0.2000E 00	0.60	0.5	0.7	1.0	1.40
0.3000E 00	0.4	1.1	2.6	3.6	4.8
0.4000E 00	0.3	2.2	5.2	7.1	9.2
0.5000E 00	0.2	3.3	5.5	8.0	10.9
0.6000E 00	0.2	4.4	7.5	11.0	14.7
0.7000E 00	0.0	5.4	9.4	13.9	18.3
0.8000E 00	0.0	6.5	11.4	16.8	22.0
0.9000E 00	0.0	7.6	13.4	19.6	25.5
0.1000E 01	5.5	8.9	15.4	22.4	28.9
0.1100E 01	6.6	11.9	19.6	27.8	35.2
0.1200E 01	7.6	13.5	21.8	30.4	38.0
0.1300E 01	6.7	15.2	23.9	32.9	41.0
0.1400E 01	7.8	16.9	26.1	35.4	43.6
0.1500E 01	10.9	18.6	28.2	37.8	46.1
0.1600E 01	12.1	20.4	30.3	40.1	48.5
0.1700E 01	13.4	22.1	32.4	42.3	50.8
0.1800E 01	14.7	23.8	34.4	44.4	52.9
0.1900E 01	16.0	25.5	36.3	46.4	54.9
0.2000E 01	17.3	27.3	38.2	48.4	56.7
0.2100E 01	18.6	28.9	40.1	50.2	58.5
0.2200E 01	19.9	30.6	41.9	52.0	60.4
0.2300E 01	21.3	32.3	43.6	53.7	61.7
0.2400E 01	22.6	33.9	45.3	55.3	63.2
0.2500E 01	23.9	35.5	46.9	56.8	64.5
0.2600E 01	25.3	37.0	48.5	58.3	65.8
0.2700E 01	26.6	38.6	50.0	59.6	67.0
0.2800E 01	27.9	40.0	51.5	60.9	68.2
0.2900E 01	29.2	41.4	52.9	62.2	70.2
0.3000E 01	30.5	42.6	54.2	63.4	70.2
0.3100E 01	31.7	44.2	55.5	64.5	71.2
0.3200E 01	33.0	45.5	56.7	65.6	72.1
0.3300E 01	34.2	46.8	57.9	66.6	72.9
0.3400E 01	35.4	48.1	59.0	67.5	73.7
0.3500E 01	36.6	49.3	60.1	68.4	74.4

D/LAM.0	W	-20. LOG T/T/	VI.AM.0/W**2D=	0.400000E 00	Y = 0.	Y = 0.
0.1000E 00	0.80	0.90	1.00	1.10	1.20	1.30
0.2000E 00	0.2	0.3	0.5	0.8	1.1	1.4
0.3000E 00	0.7	1.2	1.9	2.8	3.8	5.0
0.4000E 00	1.4	2.4	3.8	5.4	7.4	9.4
0.5000E 00	2.0	3.6	5.8	8.4	11.2	14.0
0.6000E 00	2.6	4.9	7.9	11.4	14.9	18.4
0.7000E 00	3.2	6.1	10.1	14.3	18.6	22.5
0.8000E 00	3.8	7.1	12.1	17.2	22.0	26.4
0.9000E 00	4.6	8.7	14.2	19.9	25.2	29.9
0.1000E 01	5.6	10.2	16.3	22.5	28.2	33.1
0.1100E 01	6.8	11.8	18.4	25.1	31.0	36.1
0.1200E 01	8.0	13.6	20.3	27.5	33.6	38.8
0.1300E 01	9.2	15.3	22.7	29.8	36.1	41.2
0.1400E 01	10.5	17.0	24.7	32.1	38.3	43.4
0.1500E 01	11.7	18.8	26.7	34.1	40.4	45.4
0.1600E 01	13.0	20.4	28.6	36.1	42.3	47.2
0.1700E 01	14.3	22.1	30.4	38.0	44.1	48.8
0.1800E 01	15.6	23.8	32.2	39.7	45.7	50.3
0.1900E 01	17.0	25.4	33.9	41.3	47.2	51.6
0.2000E 01	18.3	27.0	35.5	42.8	48.6	52.8
0.2100E 01	19.6	28.5	37.1	44.3	49.8	53.9
0.2200E 01	20.9	30.0	38.5	45.6	51.0	56.1
0.2300E 01	22.2	31.4	39.9	46.8	52.1	57.8
0.2400E 01	23.5	32.6	41.2	48.0	53.0	58.4
0.2500E 01	24.7	34.1	42.5	49.1	53.9	57.4
0.2600E 01	26.0	35.4	43.6	50.1	54.8	58.1
0.2700E 01	27.2	36.4	44.7	51.0	55.5	58.7
0.2800E 01	28.4	37.8	45.8	51.9	56.2	59.2
0.2900E 01	29.5	38.9	46.8	52.7	56.9	59.8
0.3000E 01	30.6	40.0	47.7	53.5	57.5	60.3
0.3100E 01	31.7	41.1	48.6	54.2	58.1	60.7
0.3200E 01	32.8	42.1	49.5	54.9	58.6	61.1
0.3300E 01	33.8	43.0	50.3	55.5	59.1	61.5
0.3400E 01	34.8	43.9	51.0	56.1	59.5	61.8
0.3500E 01	35.8	44.8	51.7	56.6	60.0	62.2
	36.7	45.6	52.4	57.1	60.4	62.5

D/LAH.0	W	-20. LOG /T/	VLAM.0/W**2D=	0.50000E 00	Y= 0.	2.00
0.1000E 00	0.90	1.00	1.10	1.20	1.30	1.40
0.2000E 00	0.2	0.5	0.8	1.1	1.5	2.0
0.3000E 00	0.8	1.3	2.0	2.9	3.9	5.2
0.4000E 00	1.5	2.6	4.0	5.7	7.6	9.6
0.5000E 00	2.2	3.9	6.1	8.7	11.4	14.1
0.6000E 00	2.9	5.3	8.3	11.7	15.0	18.2
0.7000E 00	3.6	6.7	10.5	14.6	18.5	22.1
0.8000E 00	4.4	8.1	12.7	17.3	21.6	25.5
0.9000E 00	5.4	9.6	14.8	19.9	24.5	28.5
0.1000E 01	6.6	11.2	16.8	22.3	27.2	31.2
0.1100E 01	7.9	12.9	18.9	24.6	29.6	33.6
0.1200E 01	9.2	14.6	20.9	26.8	31.7	35.7
0.1300E 01	10.5	16.4	22.8	28.7	33.7	37.6
0.1400E 01	11.8	18.0	24.7	30.6	35.4	39.2
0.1530E 01	13.1	19.7	26.4	32.3	37.0	40.6
0.1600E 01	14.4	21.2	28.0	33.9	38.5	43.0
0.1700E 01	15.7	22.8	29.6	35.3	39.7	45.3
0.1800E 01	17.0	24.2	31.0	36.6	40.9	44.0
0.1900E 01	18.3	25.7	32.4	37.8	42.1	46.9
0.2000E 01	19.6	27.0	33.7	39.0	42.9	45.7
0.2100E 01	20.8	28.3	34.9	40.0	43.7	46.4
0.2200E 01	22.0	29.5	36.0	40.9	44.5	48.0
0.2300E 01	23.1	30.7	37.0	42.8	45.2	47.5
0.2400E 01	24.3	31.8	38.0	42.6	45.8	48.0
0.2500E 01	25.4	32.8	38.9	43.3	46.4	48.5
0.2600E 01	26.4	33.8	39.7	44.0	46.9	49.9
0.2700E 01	27.4	34.8	40.5	44.6	47.4	49.3
0.2800E 01	28.4	35.6	41.2	45.1	47.8	49.6
0.2900E 01	29.4	36.5	41.9	45.7	48.2	49.9
0.3000E 01	30.3	37.3	42.5	46.2	48.6	50.2
0.3100E 01	31.2	38.0	43.1	46.5	49.9	50.5
0.3200E 01	32.0	38.7	43.7	47.0	50.7	51.4
0.3300E 01	32.8	39.4	44.2	47.4	50.9	51.8
0.3400E 01	33.6	40.0	44.7	47.8	49.8	51.1
0.3500E 01	34.3	40.6	45.1	48.1	50.0	51.3

D/LAM=0	W	0.60	0.90	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00
0.1000E-00	2.2	0.4	0.6	0.8	1.2	1.6	2.1	2.6	3.2	3.9	4.6	5.3	6.1	
0.2300E-00	0.8	1.4	2.1	3.0	4.1	5.3	6.6	8.0	9.3	10.7	12.0	13.2	14.4	
0.3600E-00	1.6	2.7	4.1	5.9	7.8	9.7	11.7	13.6	15.4	17.0	18.6	20.0	21.2	
0.4900E-00	2.4	4.2	6.4	8.9	11.5	14.0	16.4	18.6	20.6	22.4	23.9	25.2	26.3	
0.5000E-00	3.2	5.7	8.7	11.9	15.0	18.0	20.6	22.9	24.9	26.6	28.0	29.2	30.1	
0.5000E-00	4.1	7.2	10.9	14.7	18.2	21.4	24.2	26.5	28.4	30.0	31.4	32.2	32.9	
0.7000E-00	5.0	6.7	13.0	17.3	21.1	24.4	27.2	29.4	31.2	32.6	33.7	34.5	35.1	
0.8000E-00	6.1	10.3	15.0	19.6	23.7	27.0	29.7	31.8	33.5	34.7	35.6	36.2	36.7	
0.9000E-00	7.4	11.9	17.0	21.8	25.9	29.2	31.8	33.8	35.3	36.3	37.1	37.7	38.0	
0.1000E-01	8.7	13.6	19.6	23.8	27.9	31.1	33.6	35.4	36.7	37.7	38.3	38.8	39.1	
0.1100E-01	10.0	15.3	20.8	25.7	29.7	32.8	35.1	36.7	37.9	38.7	39.3	39.7	39.9	
0.1200E-01	11.4	16.9	22.5	27.4	31.2	34.2	36.3	37.8	38.9	39.6	40.1	40.4	40.6	
0.1300E-01	12.7	18.5	24.1	28.9	32.6	35.4	37.3	38.7	39.7	40.3	40.8	41.0	41.2	
0.1400E-01	14.0	19.9	25.6	30.2	33.8	36.4	38.2	39.5	40.4	40.9	41.3	41.5	41.7	
0.1500E-01	15.2	21.4	26.9	31.5	34.9	37.3	39.0	40.2	40.9	41.4	41.8	42.0	42.1	
0.1600E-01	16.5	22.7	28.2	32.6	35.8	38.1	39.7	40.7	41.4	41.9	42.2	42.3	42.4	
0.1700E-01	17.7	24.0	29.4	33.6	36.6	38.8	40.2	41.2	41.8	42.2	42.5	42.7	42.7	
0.1800E-01	18.9	25.2	30.5	34.5	37.4	39.4	40.7	41.6	42.2	42.6	42.8	42.9	43.0	
0.1900E-01	20.0	26.3	31.4	35.3	38.0	39.9	41.1	42.0	42.5	42.8	43.0	43.2	43.2	
0.2000E-01	21.1	27.3	32.3	36.0	38.6	40.4	41.5	42.3	42.8	43.1	43.3	43.4	43.4	
0.2100E-01	22.2	28.3	33.2	36.7	39.1	40.8	42.5	43.0	43.5	43.8	43.4	43.5	43.6	
0.2200E-01	23.2	29.2	33.9	37.3	39.6	41.1	42.1	42.6	43.2	43.6	43.6	43.7	43.7	
0.2300E-01	24.2	30.1	34.6	37.9	40.0	41.5	42.4	43.0	43.4	43.6	43.8	43.8	43.9	
0.2400E-01	25.1	30.9	35.3	38.4	40.4	41.7	42.6	43.2	43.5	43.8	43.9	44.0	44.0	
0.2500E-01	26.0	31.7	35.9	38.8	40.7	42.0	42.3	43.4	43.7	43.9	44.0	44.1	44.1	
0.2600E-01	26.8	32.4	36.4	39.2	41.1	42.2	43.0	43.5	43.8	44.0	44.1	44.2	44.2	
0.2700E-01	27.6	33.0	37.0	39.6	41.3	42.5	43.2	43.6	43.9	44.1	44.2	44.3	44.3	
0.2800E-01	28.3	33.7	37.4	40.0	41.6	42.7	43.3	43.8	44.0	44.2	44.3	44.3	44.4	
0.2900E-01	29.0	34.2	37.9	40.3	41.8	42.8	43.5	43.9	44.1	44.3	44.4	44.4	44.4	
0.3000E-01	29.7	34.8	38.3	40.6	42.0	43.0	43.6	44.0	44.2	44.4	44.6	44.5	44.5	
0.3100E-01	30.4	35.3	36.6	40.8	42.2	43.1	43.7	44.1	44.3	44.4	44.5	44.5	44.6	
0.3200E-01	31.0	35.6	39.0	41.1	42.4	43.3	43.8	44.1	44.4	44.6	44.6	44.6	44.6	
0.3300E-01	31.6	36.2	39.3	41.3	42.6	43.6	43.9	44.2	44.5	44.6	44.6	44.6	44.6	
0.3400E-01	32.1	36.6	39.6	41.5	42.7	43.5	44.0	44.3	44.6	44.7	44.7	44.7	44.7	
0.3500E-01	32.6	37.0	39.9	41.7	42.9	43.6	44.1	44.4	44.5	44.6	44.7	44.7	44.7	

D/LAM-0	W	-20.	LOG RT/	VLAN.0/Wee2D=	0.70000E 00	0.70000E 00	Y= 0.
0.90	0.80	1.00	1.10	1.20	1.30	1.40	1.50
0.80	0.70	0.90	1.00	1.10	1.20	1.30	1.40
0.70	0.60	0.80	0.90	1.00	1.10	1.20	1.30
0.60	0.50	0.70	0.80	0.90	1.00	1.10	1.20
0.50	0.40	0.60	0.70	0.80	0.90	1.00	1.10
0.40	0.30	0.50	0.60	0.70	0.80	0.90	1.00
0.30	0.20	0.40	0.50	0.60	0.70	0.80	0.90
0.20	0.10	0.30	0.40	0.50	0.60	0.70	0.80
0.10	0.00	0.20	0.30	0.40	0.50	0.60	0.70
0.00	0.00	0.10	0.20	0.30	0.40	0.50	0.60

D/LAM. 0	N	-20. LOG T/	YLAH.0/W**2D=	0.80000E 00	Y= 0.
0.1000E 00	0.80	0.90	1.00	1.10	1.20
0.1000E 00	0.3	0.4	0.6	0.9	1.3
0.2000E 00	0.9	1.5	2.3	3.2	4.3
0.3000E 00	1.8	3.0	4.5	6.2	8.0
0.4000E 00	2.8	4.6	6.8	9.2	11.6
0.5000E 00	3.8	6.3	9.1	12.0	14.7
0.6000E 00	4.8	7.9	11.2	14.5	17.4
0.7000E 00	5.9	9.4	13.2	16.7	19.7
0.8000E 00	7.2	11.0	15.1	18.7	21.6
0.9000E 00	8.5	12.6	16.8	20.4	23.2
0.1000E 01	9.8	14.2	18.4	21.9	24.6
0.1100E 01	11.1	15.6	19.8	23.2	25.8
0.1200E 01	12.4	17.0	21.1	24.3	26.7
0.1300E 01	13.6	18.2	22.2	25.3	27.6
0.1400E 01	14.7	19.4	23.3	26.2	28.3
0.1500E 01	15.8	20.5	24.2	27.0	28.9
0.1600E 01	16.9	21.4	25.0	27.6	29.4
0.1700E 01	17.9	22.3	25.3	28.2	29.9
0.1800E 01	18.8	23.2	26.4	28.7	30.9
0.1900E 01	19.7	23.9	27.0	29.2	30.6
0.2000E 01	20.5	24.6	27.6	29.6	30.9
0.2100E 01	21.2	25.2	28.0	29.9	31.2
0.2200E 01	21.9	25.8	28.5	30.2	31.4
0.2300E 01	22.6	26.3	28.9	31.6	32.3
0.2400E 01	23.2	26.8	29.2	30.8	31.5
0.2500E 01	23.8	27.2	29.5	31.0	32.0
0.2600E 01	24.3	27.6	29.8	31.2	32.5
0.2700E 01	24.8	28.0	30.1	31.4	32.1
0.2800E 01	25.3	28.4	30.3	31.6	32.4
0.2900E 01	25.8	28.7	30.5	31.7	32.5
0.3000E 01	26.2	29.0	30.8	32.0	32.9
0.3100E 01	26.5	29.3	31.0	32.0	32.7
0.3200E 01	26.9	29.5	31.1	32.1	32.7
0.3300E 01	27.2	29.7	31.3	32.2	32.8
0.3400E 01	27.6	30.0	31.4	32.3	33.0
0.3500E 01	27.9	30.2	31.6	32.4	33.3
					2.00
					6.2
					13.8
					19.2
					23.0
					25.5
					27.3
					28.6
					29.6
					30.3
					30.9
					31.3
					31.7
					32.0
					32.3
					32.4
					32.5
					32.6
					32.7
					32.8
					32.9
					32.9
					33.0
					33.1
					33.2
					33.2
					33.3
					33.3
					33.4
					33.4
					33.5
					33.5
					33.6
					33.6
					33.6
					33.6
					33.6
					33.7
					33.7
					33.7
					33.8
					33.8

D/LAH.0	W	-20. LOG /T/	YI AM.0/H**20=	0.400000E 00	Y= 0.
0.1000E 00	0.80	0.90	1.00	1.10	1.20
0.2000E 00	0.7	0.4	0.6	0.9	1.3
0.3000E 00	1.0	1.6	2.4	3.3	4.4
0.4000E 00	1.9	3.1	4.6	6.3	8.1
0.5000E 00	3.0	4.8	7.0	9.3	11.5
0.6000E 00	4.0	6.5	9.2	12.0	14.5
0.7000E 00	5.1	8.1	11.3	14.3	16.9
0.8000E 00	6.3	9.7	13.2	16.3	18.9
0.9000E 00	7.5	11.2	14.9	18.1	20.6
0.1000E 01	8.9	12.8	16.5	19.5	21.9
0.1100E 01	10.2	14.2	17.9	20.8	23.1
0.1200E 01	11.4	15.5	19.1	21.9	24.0
0.1300E 01	12.6	16.7	20.2	22.9	24.8
0.1400E 01	13.7	17.8	21.2	23.7	25.4
0.1500E 01	14.8	18.8	22.0	24.4	26.0
0.1600E 01	15.8	19.7	22.8	25.0	26.5
0.1700E 01	16.7	20.6	23.5	25.5	26.9
0.1800E 01	17.6	21.2	24.1	25.9	27.2
0.1900E 01	18.4	22.0	24.6	26.3	27.5
0.2000E 01	19.1	22.6	25.1	26.7	27.1
0.2100E 01	19.8	23.2	25.5	27.0	27.4
0.2200E 01	20.4	23.7	25.8	27.3	28.0
0.2300E 01	21.0	24.1	26.2	27.5	28.0
0.2400E 01	21.6	24.5	26.5	27.7	28.2
0.2500E 01	22.1	24.9	26.7	27.9	28.4
0.2600E 01	22.5	25.2	27.0	28.1	28.5
0.2700E 01	23.0	25.6	27.2	28.2	28.6
0.2800E 01	23.4	25.8	27.4	28.4	28.9
0.2900E 01	23.8	26.1	27.6	28.5	29.0
0.3000E 01	24.1	26.4	27.8	28.6	29.1
0.3100E 01	24.4	26.6	27.9	28.7	29.3
0.3200E 01	24.7	26.8	28.0	28.8	29.4
0.3300E 01	25.0	27.0	28.2	28.9	29.5
0.3300E 01	25.3	27.1	28.3	29.0	29.6
0.3400E 01	25.5	27.3	28.4	29.1	29.7
0.3500E 01	25.7	27.5	28.5	29.1	29.7

D/LAM.0	W	-20. LOG RT/	VLM.0/W**2U =	0.10000E 01	Y= 0.	Y= 0.
0.1000E 00	0.3	1.00	1.10	1.30	1.40	1.50
0.2000E 00	0.4	0.7	1.0	1.4	2.3	2.9
0.3000E 00	1.0	1.6	2.4	3.4	4.5	5.7
0.4000E 00	2.0	3.2	4.7	6.4	8.1	9.8
0.5000E 00	3.1	5.0	7.1	9.3	11.4	13.3
0.6000E 00	4.2	6.7	9.3	11.9	14.2	16.1
0.7000E 00	6.6	9.8	13.1	15.9	18.2	19.9
0.8000E 00	7.8	11.3	14.6	17.4	19.6	21.2
0.9000E 00	9.1	12.7	16.0	18.7	20.7	22.2
0.1000E 01	10.4	14.1	17.3	19.8	21.6	22.9
0.1100E 01	11.6	15.3	18.4	20.7	22.4	23.6
0.1200E 01	12.7	16.4	19.3	21.5	23.0	24.1
0.1300E 01	13.7	17.3	20.1	22.2	23.6	24.5
0.1400E 01	14.7	18.2	20.8	22.7	24.0	24.8
0.1500E 01	15.5	19.0	21.5	23.2	24.6	25.4
0.1600E 01	16.4	19.7	22.0	23.6	24.7	25.4
0.1700E 01	17.1	20.3	22.5	24.0	24.9	25.6
0.1800E 01	17.8	20.8	22.9	24.3	25.2	25.7
0.1900E 01	18.4	21.3	23.3	24.6	25.4	25.9
0.2000E 01	19.0	21.8	23.6	24.8	25.5	26.1
0.2100E 01	19.6	22.2	23.9	25.0	25.7	26.0
0.2200E 01	20.1	22.5	24.2	25.2	25.8	26.2
0.2300E 01	20.5	22.9	24.4	25.3	25.9	26.3
0.2400E 01	20.9	23.2	24.6	25.5	26.0	26.4
0.2500E 01	21.3	23.4	24.8	25.6	26.1	26.5
0.2600E 01	21.7	23.7	25.0	25.7	26.2	26.5
0.2700E 01	22.0	23.9	25.1	25.8	26.3	26.6
0.2800E 01	22.3	24.1	25.2	25.9	26.3	26.5
0.2900E 01	22.5	24.3	25.4	26.0	26.4	26.7
0.3000E 01	22.8	24.5	24.8	25.5	26.1	26.5
0.3100E 01	23.0	24.6	25.0	25.6	26.2	26.7
0.3200E 01	23.3	24.8	25.7	25.9	26.6	26.9
0.3300E 01	23.5	24.9	25.8	25.9	26.3	26.8
0.3400E 01	23.7	25.0	25.9	26.4	26.6	26.9
0.3500E 01	23.8	25.2	25.9	26.4	26.7	27.0

D/LAH.0	W	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	20.00	30.00	40.00	50.00
0.1000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.0	2.1
0.2000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.2	3.0	5.4
0.4000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.6	7.0	10.4
0.6000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	2.0	5.9	10.1
0.8000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	3.0	7.9	12.4
0.1000E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	4.1	9.6	14.3
0.2000E-02	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.7	1.0	1.5	8.7	15.4	20.5	24.5
0.4000E-02	0.0	0.0	0.0	0.1	0.2	0.4	0.8	1.4	2.2	3.1	4.2	14.5	21.9	27.5
0.6000E-02	0.0	0.0	0.1	0.2	0.4	0.9	1.7	2.7	4.0	5.3	6.7	18.4	26.4	32.7
0.8000E-02	0.0	0.0	0.2	0.7	1.5	2.7	4.1	5.7	7.4	9.0	21.5	30.2	37.3	43.7
0.1000E-01	0.1	0.3	1.0	2.1	3.2	5.8	8.5	11.2	13.7	9.1	10.9	24.2	33.7	41.8
0.2000E-01	0.3	1.3	3.2	5.2	8.1	12.3	16.2	19.7	23.3	26.5	29.7	57.6	82.9	107.2
0.4000E-01	1.0	4.0	8.1	12.7	18.0	22.9	27.6	32.1	36.4	40.6	46.4	79.4	115.6	150.5
0.6000E-01	2.2	7.1	17.1	23.5	29.5	35.2	40.7	46.2	51.4	56.2	62.3	101.2	148.2	193.5
0.8000E-01	3.6	10.3	21.4	28.9	35.9	42.8	49.4	55.9	62.3	62.3	123.0	180.7	236.2	288.6
0.1000E-00	5.2	13.4	28.9	42.6	55.6	60.2	80.6	92.7	104.7	116.6	231.5	340.4	440.7	523.8
0.2000E-00	14.2	44.3	63.7	82.3	100.5	118.4	136.0	153.5	170.9	170.9	339.3	495.6	625.6	842.8
0.3000E-00	23.6	59.8	84.8	102.1	132.6	156.2	179.3	202.3	225.1	225.1	445.9	642.8	842.8	1072.0
0.4000E-00	33.0	75.2	106.0	135.8	165.1	194.0	222.6	251.0	279.3	279.3	551.1	654.5	851.1	1072.0
0.5000E-00	42.5	90.6	127.1	162.5	197.4	231.8	265.9	299.8	333.4	333.4	654.5	851.1	1072.0	1291.2
0.6000E-00	52.0	106.1	148.3	189.3	229.6	269.5	309.1	348.4	387.5	387.5	654.5	851.1	1072.0	1291.2
0.7000E-00	61.4	108.7	183.3	253.9	322.9	390.9	459.2	524.8	590.9	590.9	654.5	851.1	1072.0	1291.2
0.8000E-00	70.9	121.5	169.4	216.0	261.9	307.3	352.3	397.0	441.4	441.4	654.5	851.1	1072.0	1291.2
0.9000E-00	80.3	137.0	190.5	242.7	294.2	345.0	395.5	445.6	495.3	495.3	654.5	851.1	1072.0	1291.2
0.1600E-01	89.8	152.4	211.7	269.5	326.4	382.8	438.7	494.1	549.0	549.0	654.5	851.1	1072.0	1291.2
0.1100E-01	97.2	167.8	232.8	296.2	358.6	420.5	481.8	542.5	602.7	602.7	654.5	851.1	1072.0	1291.2
0.1200E-01	108.7	183.3	253.9	322.9	390.9	459.2	524.8	590.9	654.5	654.5	654.5	851.1	1072.0	1291.2
0.1300E-01	118.1	198.7	275.1	349.6	421.1	495.8	567.8	639.1	687.3	687.3	687.3	851.1	1072.0	1291.2
0.1400E-01	127.6	214.1	296.2	376.3	453.3	533.4	610.8	687.3	687.3	687.3	687.3	851.1	1072.0	1291.2
0.1500E-01	137.0	229.6	317.3	403.0	487.5	571.0	653.7	653.7	653.7	653.7	653.7	851.1	1072.0	1291.2
0.1600E-01	146.5	245.0	336.4	429.7	519.7	608.6	696.5	696.5	696.5	696.5	696.5	851.1	1072.0	1291.2
0.1700E-01	156.0	260.4	359.6	456.4	551.8	646.1	646.1	646.1	646.1	646.1	646.1	851.1	1072.0	1291.2
0.1800E-01	165.4	275.9	380.7	483.1	584.0	683.6	683.6	683.6	683.6	683.6	683.6	851.1	1072.0	1291.2
0.1900E-01	174.9	291.3	401.8	509.7	616.1	616.1	616.1	616.1	616.1	616.1	616.1	851.1	1072.0	1291.2
0.2000E-01	184.3	306.8	422.9	536.4	648.2	648.2	648.2	648.2	648.2	648.2	648.2	851.1	1072.0	1291.2

D/LAM.0	W	-20. LOG / T /	VLMN.0/W**2D=	0.100000E~01	Y = 0.
0.1000E~03	2.00	3.00	4.00	5.00	6.00
0.2000E~03	0.0	0.0	0.0	0.0	0.0
0.4000E~03	0.0	0.0	0.0	0.0	0.0
0.6000E~03	0.0	0.0	0.0	0.0	0.0
0.8000E~03	0.0	0.0	0.0	0.0	0.0
0.1000E~02	0.0	0.0	0.0	0.0	0.0
0.2000E~02	0.0	0.0	0.0	0.0	0.0
0.4000E~02	0.0	0.1	0.2	0.4	0.7
0.6000E~02	0.0	0.1	0.2	0.4	0.8
0.8000E~02	0.0	0.1	0.4	0.9	1.7
0.1000E~01	0.2	0.7	1.5	2.7	5.7
0.2000E~01	0.3	1.0	2.2	3.7	7.3
0.4000E~01	1.3	3.2	5.8	11.2	13.7
0.6000E~01	1.0	4.0	8.1	12.3	16.2
0.8000E~01	2.2	7.1	12.7	19.0	23.0
0.1000E~00	3.6	10.3	17.1	23.5	29.5
0.2000E~00	5.2	13.4	21.4	28.9	36.0
0.3000E~00	14.2	28.9	42.6	55.6	68.2
0.4000E~00	23.7	44.4	63.7	82.3	100.2
0.5000E~00	33.1	59.8	84.8	108.8	132.0
0.6000E~00	52.0	75.3	105.9	135.2	163.3
0.7000E~00	61.5	90.7	126.3	161.4	194.2
0.8000E~00	71.0	121.5	168.6	213.1	254.5
0.9000E~00	80.4	136.8	189.3	238.6	283.6
0.1000E~01	89.9	152.1	209.9	263.6	312.1
0.1100E~01	97.3	167.4	230.4	288.4	339.9
0.1200E~01	108.8	182.7	250.7	312.8	367.0
0.1300E~01	118.2	197.9	270.9	336.9	393.2
0.1400E~01	127.7	213.1	291.0	360.5	418.7
0.1500E~01	137.1	228.2	310.9	383.8	443.5
0.1600E~01	146.5	243.3	330.6	406.6	467.4
0.1700E~01	155.9	258.4	350.2	429.0	490.6
0.1800E~01	165.3	273.4	369.6	450.9	513.0
0.1900E~01	174.7	288.4	388.8	472.4	534.6
0.2000E~01	184.1	303.3	407.7	493.5	555.6

$\eta/\lambda M_0$	W	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	20.00	30.00	40.00	50.00
0.1000E-03	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	2.1	
0.2000E-03	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.2	3.1	5.4
0.4000E-03	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.6	7.1	10.4
0.6000E-03	W	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	2.0	5.9	10.1	13.8
0.8000E-03	W	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	3.1	7.7	12.5
0.1000E-02	W	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	4.2	9.6	14.3
0.2000E-02	W	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.7	1.0	1.5	8.8	15.4	20.5
0.4000E-02	W	0.0	0.0	0.1	0.2	0.4	0.8	1.4	2.2	3.2	4.2	14.6	21.9	31.9
0.6000E-02	W	0.0	0.1	0.4	0.9	1.7	2.8	4.0	5.4	6.8	8.5	26.4	32.5	37.5
0.8000E-02	W	0.0	0.2	0.7	1.5	2.7	4.1	5.8	7.4	9.0	11.5	30.1	36.8	42.3
0.1000E-01	W	0.1	0.1	1.0	2.2	3.7	5.5	7.4	9.2	10.9	14.2	23.5	40.9	46.6
0.2000E-01	W	0.3	1.3	3.2	5.6	8.6	11.2	13.7	16.1	18.2	35.6	48.6	57.8	63.0
0.4000E-01	W	1.0	4.0	8.2	12.4	16.3	19.3	23.3	26.6	29.7	56.0	72.9	79.7	
0.6000E-01	W	2.6	7.2	12.8	18.1	23.0	27.6	32.1	36.3	40.5	74.3	90.2	93.0	91.9
0.8000E-01	W	3.6	10.3	17.2	23.5	29.5	35.2	40.7	46.0	51.1	90.3	103.0	102.9	100.9
0.1000E-00	W	5.2	13.5	21.4	28.9	36.0	42.7	49.2	55.5	61.6	104.1	113.0	111.2	108.7
0.2000E-00	W	14.3	29.0	42.6	55.5	67.9	79.7	90.8	101.2	110.7	150.5	147.0	142.7	140.0
0.3000E-00	W	23.7	44.4	63.7	83.7	99.1	115.1	129.6	142.3	153.1	179.0	171.6	167.2	164.8
0.4000E-00	W	33.2	59.8	84.5	107.7	129.2	148.4	164.9	178.3	188.4	201.0	192.4	188.2	186.0
0.5000E-00	W	42.7	75.2	105.2	133.0	158.0	179.4	196.5	209.2	217.8	219.7	210.8	206.8	204.9
0.6000E-00	W	52.1	90.5	125.7	157.6	185.4	207.9	224.6	235.8	242.4	236.4	227.5	223.8	222.0
0.7000E-00	W	61.6	105.7	145.6	181.5	211.3	234.0	249.5	258.8	263.4	251.7	243.0	239.5	237.8
0.8000E-00	W	71.0	120.9	165.7	204.6	235.6	257.8	271.6	278.9	281.8	265.9	257.5	254.2	252.5
0.9000E-00	W	80.5	135.9	185.2	226.7	258.4	279.4	291.4	296.8	298.1	279.2	271.1	267.9	266.4
0.1000E-01	W	89.9	150.9	204.3	248.0	279.6	299.0	309.2	312.8	312.9	291.9	284.0	280.9	279.5
0.1100E-01	W	99.3	165.7	223.0	268.4	299.5	317.3	325.4	327.5	326.4	303.9	293.3	291.9	
0.1200E-01	W	108.7	180.4	241.2	287.8	318.0	334.0	340.2	340.9	339.0	315.4	308.0	305.2	303.8
0.1300E-01	W	118.0	195.0	259.1	306.4	335.4	349.4	353.9	353.4	350.7	326.4	319.2	316.5	315.2
0.1400E-01	W	127.4	209.4	276.5	324.1	351.6	363.7	366.6	365.1	361.8	337.0	330.0	327.4	326.2
0.1500E-01	C1	136.7	223.7	293.4	341.0	366.8	377.0	378.5	376.2	372.4	347.2	340.4	337.9	336.7
0.1600E-01	C1	146.0	237.9	309.3	357.0	381.0	389.5	386.6	382.5	357.1	350.5	348.0	346.9	
0.1700E-01	C1	155.3	261.9	325.8	372.4	394.5	401.2	400.4	396.6	392.1	366.7	360.2	357.9	356.7
0.1800E-01	C1	164.5	265.7	341.4	386.9	407.2	412.3	410.5	406.2	401.4	376.0	369.7	367.4	366.3
0.1900E-01	C1	173.7	279.3	356.4	400.9	419.2	422.8	420.1	415.4	410.4	385.0	378.9	376.6	375.5
0.2000E-01	C1	192.9	292.8	371.0	414.2	430.6	432.9	429.4	424.2	419.0	393.8	387.8	385.6	384.5

V/LAM.0	W	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	20.00	30.00	40.00	50.00
		0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.0	2.1
0.1000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	2.1	5.5
0.2000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	2.1	10.5
0.4000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.6	7.1	13.8
0.6000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.0	10.1	16.2
0.8000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	3.1	7.1	18.2
0.1000E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	4.2	9.7	14.4
0.2000E-02	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.4	1.5	8.8	15.4	24.5
0.4000E-02	0.0	0.0	0.0	0.0	0.2	0.4	0.8	1.4	2.2	3.2	4.2	14.6	27.4	31.7
0.6000E-02	0.0	0.0	0.1	0.1	0.4	0.9	1.7	2.8	4.0	5.4	6.8	18.5	26.3	36.7
0.8000E-02	0.0	0.0	0.2	0.7	1.5	2.7	4.2	5.8	7.4	9.0	9.0	21.5	29.9	32.2
0.1000E-01	0.1	0.3	1.0	2.2	3.7	5.5	7.4	9.2	10.9	12.5	12.5	24.2	33.2	40.3
0.2000E-01	0.3	1.3	3.3	5.9	8.6	11.3	13.7	16.1	18.2	20.5	20.5	39.8	44.3	55.4
0.4000E-01	1.1	4.0	8.2	12.4	16.3	19.9	23.3	26.6	29.6	35.3	46.4	53.2	67.7	67.7
0.6000E-01	2.2	7.2	12.8	18.1	23.0	27.6	32.0	36.2	40.3	45.7	50.5	61.6	81.6	82.1
0.8000E-01	3.7	10.4	17.2	23.5	29.5	35.2	40.6	45.7	50.6	55.0	60.6	91.4	92.5	98.5
0.1000E-00	5.3	13.5	21.5	28.9	35.9	42.6	48.9	55.0	60.6	66.0	72.6	110.1	115.1	113.6
0.2000E-00	14.3	29.0	42.6	55.3	67.3	78.4	88.5	97.3	104.7	122.9	122.9	137.7	135.0	133.6
0.3000E-00	23.8	44.4	63.5	81.1	97.1	111.2	122.8	131.3	139.3	143.5	143.5	177.2	177.2	177.2
0.4000E-00	33.2	59.8	84.0	105.9	124.9	140.3	151.7	159.3	163.9	160.3	160.3	154.5	152.0	150.8
0.5000E-00	42.7	75.0	104.1	129.6	150.4	165.7	175.8	181.5	184.1	175.1	175.1	169.5	167.2	166.2
0.6000E-00	52.2	90.1	123.7	152.0	173.5	187.3	196.0	199.3	200.8	188.5	193.1	193.1	181.0	179.9
0.7000E-00	61.6	105.0	142.0	173.0	194.4	207.2	213.4	215.4	215.1	206.8	206.8	195.6	193.6	192.7
0.8000E-00	71.1	119.3	161.1	182.7	213.2	226.1	228.4	229.0	227.6	212.6	212.6	207.3	205.6	204.6
0.9000E-00	80.4	134.4	178.3	211.0	230.2	239.2	241.8	241.2	239.3	223.0	223.0	218.3	216.6	215.7
0.1000E-01	89.7	148.7	195.9	228.1	245.6	252.7	253.8	252.3	249.9	233.2	233.2	228.7	227.0	226.2
0.1100E-01	99.0	162.9	214.2	244.0	255.7	264.9	264.8	262.6	259.7	243.0	243.0	238.6	237.0	236.2
0.1200E-01	108.3	176.7	227.9	258.7	272.5	276.1	276.1	275.0	272.2	269.0	252.2	248.0	246.9	245.8
0.1300E-01	117.5	190.3	242.8	272.5	284.3	286.5	286.5	284.5	281.2	277.9	261.1	257.1	255.6	254.9
0.1400E-01	126.7	203.6	257.1	285.3	295.3	296.1	295.4	289.8	286.3	269.6	265.7	264.3	263.6	263.6
0.1500E-01	135.8	216.7	270.7	297.3	305.5	305.2	301.9	298.0	294.3	277.9	274.1	272.7	272.0	272.0
0.1600E-01	144.9	229.5	283.7	308.5	315.0	313.7	309.9	305.8	302.1	285.8	282.1	280.8	280.1	280.1
0.1700E-01	154.0	241.9	296.1	319.0	324.0	321.8	317.6	313.3	309.5	292.5	292.5	289.9	288.6	288.6
0.1800E-01	162.9	254.1	307.8	329.0	332.5	329.5	325.0	320.6	316.7	300.9	307.4	296.1	295.5	295.5
0.1900E-01	171.8	266.0	319.1	338.3	340.6	336.9	332.1	327.6	323.7	308.1	304.7	303.4	302.9	302.9
0.2000E-01	180.7	277.6	347.2	348.2	344.0	338.9	334.3	330.5	330.5	315.1	311.8	310.6	310.6	310.6

τ	S/LAM_0	W	-20. LOG T_f	VLAH_0/W**2D=	0.400000E-01	$Y = 0.$
3.00	0.0	0.0	6.00	7.00	8.00	9.00
2.00	0.0	0.0	5.00	6.00	7.00	8.00
1.00	0.0	0.0	4.00	5.00	6.00	7.00
0.50	0.0	0.0	3.00	4.00	5.00	6.00
0.25	0.0	0.0	2.00	3.00	4.00	5.00
0.125	0.0	0.0	1.00	2.00	3.00	4.00
0.0625	0.0	0.0	0.50	1.00	2.00	3.00
0.03125	0.0	0.0	0.25	0.50	1.00	2.00
0.015625	0.0	0.0	0.125	0.25	0.50	1.00
0.0078125	0.0	0.0	0.0625	0.125	0.25	0.50
0.00390625	0.0	0.0	0.03125	0.0625	0.125	0.25
0.001953125	0.0	0.0	0.015625	0.03125	0.0625	0.125
0.0009765625	0.0	0.0	0.0078125	0.015625	0.03125	0.0625
0.00048828125	0.0	0.0	0.00390625	0.0078125	0.015625	0.03125
0.000244140625	0.0	0.0	0.001953125	0.00390625	0.0078125	0.015625
0.0001220703125	0.0	0.0	0.0009765625	0.001953125	0.00390625	0.0078125
0.00006103515625	0.0	0.0	0.00048828125	0.0009765625	0.001953125	0.00390625
0.000030517578125	0.0	0.0	0.000244140625	0.00048828125	0.0009765625	0.001953125
0.0000152587890625	0.0	0.0	0.0001220703125	0.000244140625	0.00048828125	0.0009765625
0.00000762939453125	0.0	0.0	0.00006103515625	0.0001220703125	0.000244140625	0.00048828125
0.000003814697265625	0.0	0.0	0.000030517578125	0.00006103515625	0.0001220703125	0.000244140625
0.0000019073486328125	0.0	0.0	0.0000152587890625	0.000030517578125	0.00006103515625	0.0001220703125
0.00000095440931640625	0.0	0.0	0.00000762939453125	0.0000152587890625	0.000030517578125	0.00006103515625
0.000000477045884203125	0.0	0.0	0.000003814697265625	0.00000762939453125	0.0000152587890625	0.000030517578125
0.0000002385229421015625	0.0	0.0	0.0000019073486328125	0.000003814697265625	0.00000762939453125	0.0000152587890625
0.00000012026147104078125	0.0	0.0	0.00000095440931640625	0.0000019073486328125	0.000003814697265625	0.00000762939453125
0.000000058130735520390625	0.0	0.0	0.000000477045884203125	0.00000095440931640625	0.0000019073486328125	0.000003814697265625
0.0000000280653677601953125	0.0	0.0	0.00000012026147104078125	0.0000002385229421015625	0.000000477045884203125	0.00000095440931640625
0.00000001383268388009765625	0.0	0.0	0.000000058130735520390625	0.00000012026147104078125	0.0000002385229421015625	0.000000477045884203125
0.000000006666341940198828125	0.0	0.0	0.0000000280653677601953125	0.000000058130735520390625	0.00000012026147104078125	0.0000002385229421015625
0.00000000333317097009944453125	0.0	0.0	0.00000001383268388009765625	0.0000000280653677601953125	0.000000058130735520390625	0.00000012026147104078125
0.00000000166658548800477045884203125	0.0	0.0	0.000000006666341940198828125	0.00000001383268388009765625	0.0000000280653677601953125	0.000000058130735520390625
0.000000000833292744002385229421015625	0.0	0.0	0.00000000333317097009944453125	0.000000006666341940198828125	0.00000001383268388009765625	0.0000000280653677601953125
0.00000000041664637200119073486328125	0.0	0.0	0.00000000166658548800477045884203125	0.00000000333317097009944453125	0.000000006666341940198828125	0.00000001383268388009765625
0.000000000208323186002385229421015625	0.0	0.0	0.000000000833292744002385229421015625	0.00000000166658548800477045884203125	0.00000000333317097009944453125	0.000000006666341940198828125
0.00000000010416159300119073486328125	0.0	0.0	0.00000000041664637200119073486328125	0.000000000833292744002385229421015625	0.00000000166658548800477045884203125	0.00000000333317097009944453125
0.0000000000520807960005814697265625	0.0	0.0	0.000000000208323186002385229421015625	0.00000000041664637200119073486328125	0.000000000833292744002385229421015625	0.00000000166658548800477045884203125
0.000000000026040398000265229421015625	0.0	0.0	0.00000000010416159300119073486328125	0.000000000208323186002385229421015625	0.00000000041664637200119073486328125	0.000000000833292744002385229421015625
0.00000000001302019900013285229421015625	0.0	0.0	0.0000000000520807960005814697265625	0.00000000010416159300119073486328125	0.000000000208323186002385229421015625	0.00000000041664637200119073486328125
0.0000000000065100995000664697265625	0.0	0.0	0.000000000026040398000265229421015625	0.0000000000520807960005814697265625	0.00000000010416159300119073486328125	0.000000000208323186002385229421015625
0.000000000003255049750033285229421015625	0.0	0.0	0.00000000001302019900013285229421015625	0.000000000026040398000265229421015625	0.0000000000520807960005814697265625	0.00000000010416159300119073486328125
0.00000000000162752487500166229421015625	0.0	0.0	0.0000000000065100995000664697265625	0.00000000001302019900013285229421015625	0.000000000026040398000265229421015625	0.0000000000520807960005814697265625
0.00000000000081376243750008314697265625	0.0	0.0	0.000000000003255049750033285229421015625	0.0000000000065100995000664697265625	0.00000000001302019900013285229421015625	0.000000000026040398000265229421015625
0.0000000000004068812187500415729421015625	0.0	0.0	0.00000000000162752487500166229421015625	0.000000000003255049750033285229421015625	0.0000000000065100995000664697265625	0.00000000001302019900013285229421015625
0.0000000000002034406093750020785229421015625	0.0	0.0	0.00000000000081376243750008314697265625	0.00000000000162752487500166229421015625	0.000000000003255049750033285229421015625	0.0000000000065100995000664697265625
0.0000000000001017203046875001039729421015625	0.0	0.0	0.0000000000004068812187500415729421015625	0.00000000000081376243750008314697265625	0.00000000000162752487500166229421015625	0.000000000003255049750033285229421015625
0.0000000000000508601623437500051985229421015625	0.0	0.0	0.0000000000002034406093750020785229421015625	0.0000000000004068812187500415729421015625	0.00000000000081376243750008314697265625	0.00000000000162752487500166229421015625
0.00000000000002543008117187500253929421015625	0.0	0.0	0.0000000000001017203046875001039729421015625	0.0000000000002034406093750020785229421015625	0.0000000000004068812187500415729421015625	0.00000000000081376243750008314697265625
0.0000000000000127150405859375001269629421015625	0.0	0.0	0.0000000000000508601623437500051985229421015625	0.0000000000001017203046875001039729421015625	0.0000000000002034406093750020785229421015625	0.0000000000004068812187500415729421015625
0.000000000000006357520292937500063985229421015625	0.0	0.0	0.00000000000002543008117187500253929421015625	0.0000000000000508601623437500051985229421015625	0.0000000000001017203046875001039729421015625	0.0000000000002034406093750020785229421015625
0.0000000000000031787601464687500319929421015625	0.0	0.0	0.0000000000000127150405859375001269629421015625	0.00000000000002543008117187500253929421015625	0.0000000000000508601623437500051985229421015625	0.0000000000001017203046875001039729421015625
0.000000000000001589380073234375001579629421015625	0.0	0.0	0.000000000000006357520292937500063985229421015625	0.0000000000000127150405859375001269629421015625	0.00000000000002543008117187500253929421015625	0.0000000000000508601623437500051985229421015625
0.000000000000000794690036617187500079485229421015625	0.0	0.0	0.0000000000000031787601464687500319929421015625	0.000000000000006357520292937500063985229421015625	0.0000000000000127150405859375001269629421015625	0.00000000000002543008117187500253929421015625
0.00000000000000039734501830859375000397929421015625	0.0	0.0	0.000000000000001589380073234375001579629421015625	0.000000000000006357520292937500063985229421015625	0.0000000000000127150405859375001269629421015625	0.00000000000002543008117187500253929421015625
0.00000000000000019867250095468750001989629421015625	0.0	0.0	0.000000000000000794690036617187500079485229421015625	0.0000000000000031787601464687500319929421015625	0.000000000000006357520292937500063985229421015625	0.0000000000000127150405859375001269629421015625
0.00000000000000009933625047734375000099485229421015625	0.0	0.0	0.00000000000000039734501830859375000397929421015625	0.000000000000001589380073234375001579629421015625	0.000000000000006357520292937500063985229421015625	0.0000000000000127150405859375001269629421015625
0.00000000000000004966812502366171875000497029421015625	0.0	0.0	0.00000000000000019867250095468750001989629421015625	0.000000000000000794690036617187500079485229421015625	0.0000000000000031787601464687500319929421015625	0.000000000000006357520292937500063985229421015625
0.000000000000000024834062511830859375002487029421015625	0.0	0.0	0.00000000000000009933625047734375000099485229421015625	0.00000000000000039734501830859375000397929421015625	0.000000000000001589380073234375001579629421015625	0.000000000000006357520292937500063985229421015625
0.00000000000000001241703125095468750012434629421015625	0.0	0.0	0.00000000000000004966812502366171875000497029421015625	0.00000000000000019867250095468750001989629421015625	0.000000000000000794690036617187500079485229421015625	0.0000000000000031787601464687500319929421015625
0.0000000000000000620851562524873437500621229421015625	0.0	0.0	0.000000000000000024834062511830859375002487029421015625	0.00000000000000009933625047734375000099485229421015625	0.00000000000000039734501830859375000397929421015625	0.000000000000001589380073234375001579629421015625
0.00000000000000003104257812512366171875003107029421015625	0.0	0.0	0.00000000000000001241703125095468750012434629421015625	0.00000000000000004966812502366171875000497029421015625	0.000000000000000794690036617187500079485229421015625	0.0000000000000031787601464687500319929421015625
0.0000000000000000155212500625251229421015625	0.0	0.0	0.0000000000000000620851562524873437500621229421015625	0.000000000000000024834062511830859375002487029421015625	0.00000000000000039734501830859375000397929421015625	0.000000000000001589380073234375001579629421015625
0.00000000000000000776062503107029421015625	0.0	0.0	0.0000000000000000155212500625251229421015625	0.0000000000000000620851562524873437500621229421015625	0.00000000000000039734501830859375000397929421015625	0.000000000000001589380073234375001579629421015625
0.000000000000000003880312501241703125012434629421015625	0.0	0.0	0.00000000000000000776062503107029421015625	0.000000000000000155212500625251229421015625	0.00000000000000039734501830859375000397929421015625	0.00000

D/LAM.0	W	-20. LOG T/	V LAM.0/W**2D=	0.500000E-01	Y= 0.	0.
0.1000E-03	2.00	3.00	4.00	5.00	6.00	7.00
0.2000E-03	0.0	0.0	0.0	0.0	0.0	0.0
0.4000E-03	0.0	0.0	0.0	0.0	0.0	0.0
0.6000E-03	0.0	0.0	0.0	0.0	0.0	0.0
0.8000E-03	0.0	0.0	0.0	0.0	0.0	0.0
1.000E-02	0.0	0.0	0.0	0.0	0.0	0.0
2.000E-02	0.0	0.0	0.0	0.0	0.0	0.0
4.000E-02	0.0	0.1	0.2	0.4	0.8	1.4
6.000E-02	0.0	0.1	0.2	0.4	0.9	1.7
8.000E-02	0.3	0.2	0.1	1.5	2.7	4.2
1.000E-01	0.1	0.3	1.0	2.2	3.8	5.6
2.000E-01	0.3	1.3	3.3	5.9	8.6	11.3
4.000E-01	1.1	4.1	8.2	12.4	16.3	19.9
6.000E-01	2.2	7.2	12.8	18.1	23.0	27.6
8.000E-01	3.7	10.4	17.2	23.5	29.4	34.9
1.000E 00	5.3	13.5	21.5	28.9	35.7	42.1
2.000E 00	14.4	29.0	42.4	54.7	65.5	74.8
3.000E 00	23.8	44.4	62.7	78.7	91.8	101.4
4.000E 00	33.3	59.4	82.2	100.7	114.1	122.5
5.000E 00	42.8	74.2	100.6	120.4	132.9	139.3
6.000E 00	52.2	88.7	117.7	137.8	148.7	153.2
7.000E 00	61.5	102.8	134.0	153.3	162.3	165.0
8.000E 00	70.7	116.4	149.0	167.0	174.0	175.2
9.000E 00	79.9	129.6	162.8	179.2	184.4	184.4
1.000E 01	89.0	142.3	175.5	190.2	193.7	192.7
1.100E 01	98.0	154.5	187.3	200.1	202.1	200.3
1.200E 01	106.9	166.2	198.2	209.1	209.9	207.5
1.300E 01	115.7	177.4	208.3	217.3	217.0	214.1
1.400E 01	124.4	188.1	217.6	225.0	223.7	220.5
1.500E 01	133.0	198.3	226.3	232.1	230.1	226.5
1.600E 01	141.4	208.1	234.4	238.7	236.0	232.2
1.700E 01	149.7	217.4	242.0	245.0	241.7	237.7
1.800E 01	157.9	225.3	249.1	250.9	247.1	242.9
1.900E 01	165.9	234.7	255.8	256.5	252.3	248.0
2.000E 01	173.8	242.8	262.1	261.8	257.3	252.9

D/LAM.0	W	-20. LOG /T/	V LAM.0/W**20=	0.700000E-01	Y= 0.
0.1000E-03	2.00	4.00	5.00	7.00	9.00
0.2000E-03	0.0	0.0	0.0	0.0	0.0
0.4000E-03	0.0	0.0	0.0	0.0	0.0
0.6000E-03	0.0	0.0	0.0	0.0	0.0
0.8000E-03	0.0	0.0	0.0	0.0	0.0
0.1000E-02	0.0	0.0	0.0	0.0	0.0
0.2000E-02	0.0	0.0	0.0	0.0	0.0
0.4000E-02	0.0	0.1	0.2	0.4	0.7
0.6000E-02	0.0	0.1	0.4	0.9	1.5
0.8000E-02	0.0	0.2	0.7	1.7	2.7
0.1000E-01	0.1	0.4	1.0	2.2	3.8
0.2000E-01	0.3	1.3	3.3	5.9	8.7
0.4000E-01	1.1	4.1	8.3	12.5	16.3
0.6000E-01	2.3	7.3	12.9	18.1	23.0
0.8000E-01	5.7	10.4	17.5	23.5	29.3
0.1000E-00	5.3	13.6	21.5	28.9	35.4
0.2000E-00	14.4	29.0	42.1	53.6	63.1
0.3000E-00	23.9	44.2	61.0	75.6	85.4
0.4000E-00	33.4	58.9	79.6	94.3	102.9
0.5000E-00	42.7	73.1	96.0	110.2	116.8
0.6000E-00	52.0	86.6	110.7	123.5	128.8
0.7000E-00	61.2	99.5	123.7	134.9	137.9
0.8000E-00	70.2	111.8	135.7	144.8	146.2
0.9000E-00	79.1	123.3	146.2	153.4	153.7
0.1000E-01	87.8	134.1	155.7	161.1	160.4
0.1100E-01	96.4	144.2	164.2	168.1	166.6
0.1200E-01	104.8	153.7	172.0	174.5	172.3
0.1300E-01	113.0	162.6	179.1	180.4	177.7
0.1400E-01	121.0	170.9	185.6	185.8	182.8
0.1500E-01	128.8	178.7	191.6	190.9	187.6
0.1600E-01	136.4	186.0	197.2	195.7	192.1
0.1700E-01	143.8	192.8	202.5	200.3	196.5
0.1800E-01	151.0	199.2	207.4	204.7	197.4
0.1900E-01	158.0	205.2	212.0	206.7	199.0
0.2000E-01	164.7	210.9	216.3	212.7	208.5

D/LAN.C	H	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	20.00	30.00	40.00	50.00
0.1000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.0	2.2
0.2000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.3	3.1	5.6
0.4000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.7	7.2	10.6
0.6000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.1	10.2	13.9
0.8000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	8.1	12.6	16.3
0.1000E-C2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	9.8	14.4	18.2
0.2000E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	8.9	15.5	20.4
0.4000E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	14.7	21.7	26.4
0.6000E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	3.2	4.3	5.5
0.8000E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	6.9	18.4	25.6
0.1000E-01	0.1	0.4	1.0	2.2	4.1	7.5	11.4	16.1	23.2	31.2	7.5	9.3	11.0	12.6
0.2000E-01	0.3	1.3	3.3	5.9	8.7	11.4	13.8	16.1	18.3	21.4	0.3	0.4	1.0	1.4
0.4000E-01	1.1	4.1	8.3	12.5	16.3	19.9	23.2	26.2	29.0	32.0	1.0	1.5	2.0	2.4
0.6000E-01	2.3	7.3	12.9	18.1	22.9	27.3	31.2	34.9	38.1	42.0	2.3	3.1	4.0	4.8
0.8000E-C1	3.7	10.5	17.3	23.5	29.2	34.3	38.9	42.8	46.0	50.0	5.8	6.0	6.2	6.5
0.1000E-00	5.4	13.6	21.5	28.7	35.2	40.9	45.8	49.8	52.8	57.5	5.5	5.5	5.5	5.5
0.2000E-00	14.5	29.0	42.0	53.0	61.8	68.1	72.1	74.3	75.3	75.3	6.0	6.7	6.7	6.7
0.3000E-00	23.9	44.0	60.9	73.8	82.2	86.8	88.7	89.1	88.8	88.8	8.1	8.5	8.5	8.5
0.4000E-00	33.4	58.5	78.1	92.1	97.7	100.3	100.6	100.6	100.6	100.6	9.1	9.1	9.1	9.1
0.5000E-00	42.7	72.3	93.4	105.2	109.9	110.8	110.8	109.0	109.0	109.0	107.8	107.8	107.8	107.8
0.6000E-00	51.9	85.4	106.7	117.0	119.8	119.6	118.3	116.8	115.5	115.5	109.5	108.7	108.7	107.7
0.7000E-00	61.0	97.7	118.8	126.9	128.2	127.2	125.5	123.9	122.5	122.5	116.7	115.5	115.5	114.8
0.8000F-00	69.9	109.1	129.3	135.5	135.6	133.9	132.0	130.4	128.9	128.9	123.6	122.2	121.8	121.6
0.9000E-00	78.6	119.8	138.5	143.0	142.2	140.1	138.1	136.4	135.0	135.0	129.4	128.5	128.5	127.9
0.1000E-01	87.1	129.7	146.8	149.7	148.2	145.1	143.7	142.0	140.6	140.6	135.5	134.4	134.4	133.8
0.1100E-01	95.4	138.9	156.2	155.8	153.7	151.2	149.0	147.3	146.0	146.0	141.0	140.0	139.6	139.4
0.1200E-01	103.5	147.5	160.9	161.4	158.9	156.2	154.0	152.3	151.3	151.3	145.2	144.9	144.9	144.7
0.1300E-01	111.4	155.3	167.0	166.6	163.1	161.0	158.8	157.1	155.8	155.8	151.2	150.2	149.9	149.8
0.1400E-01	119.0	162.7	172.6	171.4	168.3	165.5	163.3	161.7	160.4	160.4	155.9	155.0	154.7	154.5
0.1500E-01	126.4	169.4	177.8	175.9	172.6	169.8	167.6	166.0	164.8	164.8	160.4	159.6	159.3	159.1
0.1600E-01	133.5	175.7	182.7	180.2	176.7	173.9	171.8	170.2	169.0	169.0	1.3	1.3	1.3	1.3
0.1700E-01	140.4	181.6	187.2	184.2	180.7	177.8	175.7	174.2	173.0	173.0	1.9	1.9	1.9	1.9
0.1800E-01	147.1	187.1	191.4	188.1	184.4	181.6	179.5	178.0	176.7	176.7	172.1	172.1	171.7	171.7
0.1900E-01	153.6	192.3	195.4	191.7	188.1	185.3	183.2	181.7	180.6	180.6	176.7	176.7	175.7	175.6
0.2000E-01	159.8	197.1	199.2	195.2	191.5	188.8	186.7	185.3	184.2	184.2	180.4	180.4	179.7	179.3

D/LAM.0	W	-20. LOG /T/	V LAM.0/W**20)=	3.90000E-01	Y= 0.	50.00
0.1000E-03	0.0	3.00	4.00	5.00	6.00	7.00
0.2000E-03	0.0	0.0	0.0	0.0	0.0	0.0
0.4000E-03	0.0	0.0	0.0	0.0	0.0	0.0
0.6000E-03	0.0	0.0	0.0	0.0	0.0	0.0
0.8000E-03	0.0	0.0	0.0	0.0	0.0	0.0
0.1000E-02	0.0	0.0	0.0	0.0	0.0	0.0
0.2000E-02	0.0	0.0	0.0	0.0	0.0	0.0
0.4000E-02	0.0	0.0	0.0	0.0	0.0	0.0
0.6000E-02	0.0	0.0	0.0	0.0	0.0	0.0
0.8000E-02	0.0	0.0	0.0	0.0	0.0	0.0
0.1000E-01	0.1	0.4	1.0	2.2	3.6	5.6
0.2000E-01	0.3	1.3	3.3	6.0	8.7	11.4
0.4000E-01	1.1	4.1	8.3	12.5	16.4	19.9
0.6000E-01	2.3	7.3	12.9	18.1	22.9	27.2
0.8000E-01	3.8	10.5	17.3	23.5	29.1	34.1
0.1000E-00	5.4	13.6	21.5	28.6	35.0	40.5
0.2000E-00	14.5	29.0	41.7	52.3	60.4	65.8
0.3000E-00	24.0	47.9	66.2	72.0	79.1	82.5
0.4000E-00	33.4	58.1	76.6	87.8	92.9	94.3
0.5000E-00	42.6	71.5	90.3	100.5	103.7	103.9
0.6000E-00	51.8	84.0	102.2	110.9	112.5	111.7
0.7000E-00	60.7	95.7	113.7	119.7	120.0	118.6
0.8000E-00	69.5	106.4	123.4	127.3	126.6	124.8
0.9000E-00	78.0	116.3	131.4	134.0	132.6	130.5
0.1000E-01	86.3	125.4	138.7	139.7	138.0	135.7
0.1100E-01	94.3	133.7	145.2	145.3	143.0	140.7
0.1200E-01	102.1	141.3	151.1	150.3	147.7	145.3
0.1300E-01	109.6	148.3	156.4	155.0	152.1	149.7
0.1400E-01	116.8	154.8	161.3	159.2	156.3	154.3
0.1500E-01	123.8	160.7	165.9	163.4	160.3	157.8
0.1600E-01	130.5	166.3	170.2	167.2	164.0	161.5
0.1700E-01	136.9	171.4	174.1	170.9	167.6	165.1
0.1800E-01	143.1	176.1	177.9	174.4	171.1	168.6
0.1900E-01	147.0	180.6	181.4	177.7	174.4	171.9
0.2000E-01	154.6	184.7	184.8	180.8	177.5	175.1

D/LAM_0	W	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	20.00	30.00	40.00	50.00
0.1000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	2.2	
0.2000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.2	5.6	
0.4000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	3.7	7.2	10.6
0.6000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	2.1	6.1	10.3
0.8000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	3.2	8.1	12.6
0.1000E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	4.3	9.8	16.4
0.2000E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.1	1.5	8.9	18.1
0.4000E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	1.5	20.3
0.6000E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.5	2.3	3.3	23.7
0.8000E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.3	3.3	4.3	28.4
0.1000E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	4.1	5.5	6.9	18.4
0.1500E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	5.9	7.6	9.2	21.6
0.2000E-01	0.1	0.4	1.1	2.2	3.8	5.7	7.5	9.3	11.1	0.1	0.1	0.1	0.1	30.3
0.3000E-01	0.3	1.3	3.3	6.0	8.7	11.4	13.8	16.1	18.2	0.1	0.1	0.1	0.1	31.5
0.4000E-01	1.1	4.2	8.3	12.5	16.4	19.9	23.1	26.0	28.5	0.1	0.1	0.1	0.1	31.9
0.6000E-01	2.3	7.3	12.9	18.1	22.9	27.1	30.9	34.2	36.9	0.1	0.1	0.1	0.1	30.3
0.8000E-01	3.8	10.5	17.3	23.4	28.9	33.8	37.7	41.2	43.8	0.1	0.1	0.1	0.1	31.3
0.1000E-00	5.4	13.7	21.5	28.5	34.7	39.9	44.1	47.2	49.4	0.1	0.1	0.1	0.1	31.9
0.2000E-00	14.5	29.0	41.5	51.6	58.9	63.5	66.0	67.1	67.3	0.1	0.1	0.1	0.1	34.5
0.3000E-00	24.0	42.7	59.4	70.1	76.1	78.6	79.2	79.0	78.3	0.1	0.1	0.1	0.1	34.1
0.4000E-00	33.4	57.6	74.7	84.6	88.5	89.4	88.9	88.0	87.5	0.1	0.1	0.1	0.1	38.4
0.5000E-00	42.6	70.6	88.2	96.1	98.6	97.8	96.8	95.6	94.5	0.1	0.1	0.1	0.1	42.3
0.6000E-00	51.0	82.6	99.5	105.4	106.1	105.0	103.6	102.3	101.2	0.1	0.1	0.1	0.1	45.6
0.7000E-00	60.4	93.6	109.2	113.3	112.9	111.4	105.8	108.4	107.3	0.1	0.1	0.1	0.1	48.7
0.8000E-00	59.0	103.6	117.6	120.1	118.9	117.1	115.4	114.0	112.9	0.1	0.1	0.1	0.1	51.1
0.9000E-00	77.3	132.7	124.9	126.1	124.3	122.3	120.6	119.3	118.2	0.1	0.1	0.1	0.1	51.1
0.1000E-01	85.3	121.0	131.3	131.4	129.3	127.2	125.5	124.1	123.1	0.1	0.1	0.1	0.1	52.8
0.1100E-01	93.1	128.1	137.1	136.4	134.0	131.8	130.0	128.7	127.7	0.1	0.1	0.1	0.1	53.6
0.1200E-01	100.5	135.4	142.3	140.9	138.3	136.1	134.4	133.1	132.1	0.1	0.1	0.1	0.1	56.7
0.1300E-01	107.7	141.7	147.1	145.1	142.4	140.1	138.4	137.2	136.2	0.1	0.1	0.1	0.1	59.6
0.1400E-01	114.5	147.4	151.5	149.0	146.2	144.0	142.3	141.1	140.2	0.1	0.1	0.1	0.1	62.0
0.1500E-01	121.1	152.7	155.6	152.8	149.9	147.6	146.0	144.8	143.9	0.1	0.1	0.1	0.1	64.0
0.1600E-01	127.3	157.5	159.4	156.3	153.3	151.1	149.5	148.4	147.5	0.1	0.1	0.1	0.1	65.9
0.1700E-01	133.3	162.0	160.9	159.6	156.7	154.5	152.9	151.8	150.9	0.1	0.1	0.1	0.1	67.7
0.1800E-01	138.9	156.2	166.3	162.8	159.8	157.7	156.1	155.0	154.2	0.1	0.1	0.1	0.1	69.6
0.1900E-01	144.3	170.1	169.4	165.8	162.8	160.7	159.2	158.1	157.3	0.1	0.1	0.1	0.1	71.5
0.2000E-01	149.5	173.7	172.5	168.7	165.8	163.7	162.2	161.1	160.4	0.1	0.1	0.1	0.1	73.4

O/LAM=0	X	-2.0	0.0	2.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	20.0	30.0	40.0	50.0
0.1000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.1	2.3
0.2000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.3	3.3	5.7
0.4000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	2.2	10.7
0.6000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.2	6.3	10.4	13.8
0.8000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.3	3.3	8.3	12.6
0.1000E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.5	4.4	9.9	14.4
0.2000E-02	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.3	0.5	1.1	1.6	15.3	21.7
0.4000E-02	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.7	1.1	1.6	14.6	20.4	23.0
0.6000E-02	0.0	0.0	0.0	0.1	0.4	1.5	1.8	3.0	4.3	5.7	7.1	17.9	22.6	24.2	24.6
0.8000E-02	0.0	0.0	0.0	0.2	0.7	1.6	2.9	4.4	6.1	7.7	9.3	20.1	23.9	24.7	24.8
0.1000E-01	0.0	0.1	0.4	1.1	2.3	4.0	5.8	7.7	9.5	11.2	21.8	24.6	25.0	25.0	25.0
0.2000E-01	0.3	1.4	3.5	6.1	8.9	11.5	13.8	15.9	17.8	25.8	26.2	26.0	25.8	25.8	25.8
0.4000E-01	1.2	4.3	8.5	12.6	16.2	19.4	22.0	25.3	27.8	29.5	30.5	31.1	30.3	30.3	29.8
0.6000E-01	2.4	7.5	13.0	17.9	22.0	25.3	27.8	30.1	32.2	35.3	34.0	33.2	32.4	32.1	31.9
0.8000E-01	3.9	16.7	17.2	22.7	27.0	30.1	32.2	34.1	35.6	36.3	36.6	35.4	34.4	34.1	33.9
0.1000E-00	5.5	13.8	21.1	27.1	31.1	34.1	35.6	36.3	36.6	36.6	36.6	35.4	34.4	34.1	33.9
0.2000E-00	14.7	28.2	37.9	43.4	45.8	46.4	46.4	46.0	46.0	45.5	45.3	42.7	42.5	42.4	42.4
0.3000E-00	24.6	40.8	50.2	53.6	54.2	53.8	53.8	53.2	52.6	52.1	49.9	49.5	49.3	49.3	49.2
0.4000E-00	32.8	51.4	59.1	60.7	65.2	69.5	58.8	58.1	57.6	57.6	55.6	55.2	55.1	55.0	55.0
0.5000E-00	41.1	60.1	65.1	65.7	66.7	66.4	64.4	63.6	62.9	62.4	60.6	60.2	60.1	60.1	60.0
0.6000E-00	48.8	67.4	71.3	70.9	69.7	68.6	67.8	67.2	66.2	66.2	65.0	64.7	64.4	64.5	64.5
0.7000E-00	55.9	73.4	75.9	74.8	73.5	72.4	71.6	71.0	70.6	70.6	69.0	68.7	68.6	68.6	68.6
0.8000E-00	62.4	78.4	79.7	78.3	77.0	75.9	75.1	74.6	74.1	72.7	72.4	72.3	72.3	72.3	72.3
0.9000E-00	68.3	82.7	83.1	81.5	80.1	79.1	78.3	77.8	77.4	76.0	75.8	75.7	75.6	75.6	75.6
0.1000E-01	73.6	86.5	86.2	84.4	83.0	82.0	81.3	80.8	80.4	79.1	78.9	78.8	78.7	78.7	78.7
0.1100E-01	78.5	89.8	88.9	87.1	85.7	84.7	84.0	83.5	83.2	82.0	81.7	81.6	81.6	81.6	81.6
0.1200E-01	82.9	92.7	91.4	89.5	88.2	87.2	86.6	86.1	85.8	84.6	84.4	84.3	84.3	84.3	84.3
0.1300E-01	86.9	95.3	93.7	91.8	90.5	89.6	89.0	88.5	88.2	87.1	86.9	86.8	86.7	86.7	86.7
0.1400E-01	90.4	97.7	95.9	94.0	92.7	91.8	91.2	90.7	90.4	89.4	89.2	89.1	89.1	89.1	89.1
0.1500E-01	93.6	99.9	97.8	95.9	94.7	93.8	93.2	92.8	92.5	91.5	91.3	91.2	91.2	91.2	91.2
0.1600E-01	96.5	101.8	99.7	97.8	96.6	95.8	95.2	94.8	94.5	93.5	93.4	93.3	93.3	93.3	93.3
0.1700E-01	99.2	103.6	101.4	99.5	98.3	97.6	96.6	96.4	95.4	95.4	95.3	95.2	95.2	95.2	95.2
0.1800E-01	101.6	105.3	103.9	101.2	100.0	99.3	98.7	98.4	98.4	97.2	97.1	97.0	97.0	97.0	97.0
0.1900E-01	103.8	106.8	104.5	102.7	101.6	100.9	100.4	100.0	99.8	98.9	98.7	98.7	98.7	98.7	98.7
0.2000E-01	105.8	108.1	105.9	104.2	103.1	102.4	101.9	101.5	101.5	101.5	101.5	100.5	100.3	100.3	100.3

D/LAM.0	-20. LOG /Y/	V LAM.0/W**2D=	0.300000E 00	Y= 0.	Y= 0.
0.1000E-03	2.00	3.00	4.00	5.00	6.00
0.2000E-03	0.0	0.0	0.0	0.0	0.0
0.3000E-03	0.0	0.0	0.0	0.0	0.0
0.4000E-03	0.0	0.0	0.0	0.0	0.0
0.5000E-03	0.0	0.0	0.0	0.0	0.0
0.6000E-03	0.0	0.0	0.0	0.0	0.0
0.8000E-03	0.0	0.0	0.0	0.0	0.0
0.1000E-02	0.0	0.0	0.0	0.0	0.0
0.2000E-02	0.0	0.0	0.1	0.1	0.1
0.4000E-02	0.0	0.1	0.2	0.5	1.0
0.6000E-02	0.0	0.1	0.4	1.0	1.9
0.8000E-02	0.1	0.3	0.8	1.7	3.0
0.1000E-01	0.1	0.4	1.4	2.4	4.1
0.2000E-01	0.3	1.4	3.6	6.3	9.0
0.4000E-01	1.2	4.4	8.6	12.6	15.9
0.6000E-01	2.5	7.7	13.0	17.5	20.8
0.8000E-01	4.1	10.8	16.9	21.5	24.4
0.1000E-00	5.8	13.8	20.4	25.0	27.6
0.2000E-00	14.8	26.9	33.7	36.3	36.8
0.3500E-00	23.6	37.1	42.0	42.8	42.5
0.4500E-00	31.6	44.7	47.7	47.5	46.8
0.5000E-00	38.6	50.4	52.0	51.3	50.4
0.6000E-00	44.7	54.9	55.4	54.4	53.5
0.7000E-00	50.0	58.6	58.3	57.2	56.3
0.8000E-00	54.6	61.6	60.9	59.7	58.8
0.9000E-00	58.5	64.1	63.1	61.9	61.0
0.1000E-01	61.9	66.3	65.1	63.9	62.5
0.1100E-01	64.0	68.3	68.3	66.9	65.7
0.1200E-01	67.3	70.0	68.5	67.4	66.6
0.1300E-01	69.5	71.5	70.0	68.9	68.1
0.1400E-01	71.4	72.9	71.3	70.2	69.5
0.1500E-01	73.0	74.1	72.6	71.5	70.8
0.1600E-01	74.5	75.2	73.7	72.7	72.0
0.1700E-01	75.8	76.2	74.7	73.8	73.1
0.1800E-01	77.0	77.1	75.7	74.7	74.2
0.1900E-01	78.0	78.0	76.6	75.7	75.1
0.2000E-01	79.0	78.8	77.4	76.5	76.0

D/LAM.0	W	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	20.00	30.00	40.00	50.00
0.1000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.2	2.5	
0.2000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.5	3.5	6.0	
0.4000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	4.1	7.6	10.7	
0.6000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	2.3	6.5	10.4	13.4
0.8000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	3.5	8.4	12.4	15.0
0.1000E-02	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	4.7	10.0	13.8	16.1
0.2000E-02	0.0	0.0	0.0	0.1	0.1	0.3	0.5	0.5	0.8	1.2	1.7	14.5	17.0	18.1
0.4000E-02	0.0	0.0	0.1	0.2	0.5	1.0	1.7	2.6	3.6	4.7	14.0	17.5	18.5	18.8
0.6000E-02	0.0	0.0	0.2	0.5	1.1	2.0	3.2	4.5	5.9	7.3	16.2	18.4	18.9	19.0
0.8000E-02	0.1	0.3	0.8	1.8	3.1	4.7	6.3	7.9	9.4	17.5	18.8	19.0	19.1	
0.1000E-01	0.1	0.4	1.2	2.5	4.2	6.1	7.9	9.6	11.1	18.2	19.0	19.1	19.1	
0.2000E-01	0.3	1.5	3.7	6.4	9.0	11.4	13.4	15.0	16.3	19.5	19.5	19.5	19.5	
0.4000E-01	1.3	4.6	8.7	12.4	15.4	17.5	19.0	19.8	20.4	20.6	20.6	20.6	20.6	
0.6000E-01	2.6	7.8	12.3	16.8	19.4	21.0	21.8	22.1	22.2	21.6	21.6	21.6	21.6	
0.8000E-01	4.2	10.8	16.4	20.2	22.3	23.2	23.6	23.7	23.6	22.7	22.4	22.4	22.4	
0.1000E-00	5.9	13.6	19.5	22.9	24.4	25.0	25.1	25.0	24.8	23.8	23.5	23.4	23.4	
0.2600E-03	14.8	75.3	29.9	31.1	31.1	30.8	30.4	30.1	29.9	29.0	28.8	28.7	28.7	
0.3000E-06	22.9	33.3	35.8	35.8	35.4	34.9	34.5	34.2	34.0	33.2	33.1	33.0	33.0	
0.4000E-00	29.9	38.9	39.9	39.4	38.8	38.5	37.9	37.7	37.5	36.8	36.6	36.6	36.6	
0.5000E-00	35.7	42.9	43.0	42.3	41.6	41.2	40.8	40.6	40.4	39.8	39.7	39.6	39.6	
0.6000E-00	40.5	46.0	45.6	44.8	44.1	43.7	43.4	43.1	43.0	42.4	42.3	42.3	42.3	
0.7000E-09	44.3	48.5	47.8	46.9	46.3	45.9	45.6	45.4	45.2	44.7	44.6	44.6	44.6	
0.8000E-00	47.5	50.6	49.6	48.8	48.2	47.8	47.5	47.3	47.2	46.7	46.7	46.6	46.6	
0.9000E-00	50.1	52.3	51.3	50.4	49.9	49.5	49.3	49.1	49.0	48.5	48.5	48.4	48.4	
0.1000E-01	52.3	53.2	52.7	51.9	51.4	51.0	50.8	50.6	50.5	50.1	50.1	50.0	50.0	
0.1100E-01	54.1	55.1	54.0	53.2	52.7	52.4	52.2	52.0	51.9	51.6	51.5	51.5	51.5	
0.1200E-01	55.6	56.2	55.1	54.4	53.9	53.6	53.4	53.3	53.2	52.9	52.8	52.8	52.8	
0.1300E-01	56.9	57.2	56.2	55.5	55.0	54.7	54.6	54.4	54.3	54.0	53.9	53.9	53.9	
0.1400E-01	58.1	58.1	57.1	56.4	56.0	55.7	55.6	55.4	55.4	55.1	55.0	55.0	55.0	
0.1500E-01	59.0	58.9	57.9	57.3	56.9	56.6	56.5	56.4	56.3	56.0	55.9	55.9	55.9	
0.1600E-01	59.9	59.6	58.7	58.1	57.7	57.5	57.3	57.2	57.1	56.9	56.8	56.8	56.8	
0.1700E-01	60.6	60.3	59.3	58.8	58.4	58.2	58.1	58.0	57.9	57.6	57.6	57.6	57.6	
0.1800E-01	61.2	60.8	60.0	59.4	58.1	58.0	58.1	58.6	58.6	58.3	58.3	58.3	58.3	
0.1900E-01	61.8	61.4	60.5	59.7	59.5	59.4	59.3	59.2	59.0	58.9	58.9	58.9	58.9	
0.2000E-01	62.3	61.8	61.0	60.5	60.2	60.1	59.9	59.8	59.6	59.5	59.5	59.5	59.5	

D/LAM,0	W	-26. LOG /T/	V1,AM,0/W**2D=	0.500000E 00	Y= G.
0.1000E-03	3.00	4.00	5.00	7.00	9.00
0.0	0.0	0.0	0.0	0.0	0.0
0.2000E-03	0.0	0.0	0.0	0.0	0.0
0.4000E-03	0.0	0.0	0.0	0.0	0.0
0.6000E-03	0.0	0.0	0.0	0.0	0.0
0.8000E-03	0.0	0.0	0.0	0.0	0.0
0.1000E-02	0.0	0.0	0.0	0.0	0.0
0.2000E-02	0.0	0.0	0.1	0.3	0.5
0.4000E-02	0.0	0.1	0.2	0.5	1.0
0.6000E-02	0.0	0.2	0.5	1.1	2.1
0.8000E-02	0.1	0.3	0.8	1.8	3.2
0.1000E-01	0.1	0.4	1.3	2.6	4.3
0.2000E-01	0.4	1.6	3.8	6.5	11.3
0.4000E-01	1.3	4.7	8.7	12.2	14.8
0.6000E-01	2.7	7.8	12.6	16.1	18.1
0.8000E-01	4.3	10.8	15.8	18.8	20.2
0.1000E 00	6.0	13.4	18.4	20.9	21.8
0.2000E 00	14.6	23.6	26.7	27.1	27.0
0.3000E 00	22.1	30.0	31.2	30.5	30.2
0.4000E 00	28.1	34.2	34.4	33.9	33.4
0.5000E 00	32.8	37.2	36.9	36.7	35.8
0.6000E 00	36.5	39.5	38.9	38.2	37.8
0.7000E 00	39.3	41.4	40.6	40.0	39.5
0.8000E 00	41.6	42.9	42.1	41.5	41.0
0.9000E 00	43.4	44.2	43.3	42.7	42.4
0.1000E C1	44.8	45.3	44.4	43.9	43.5
0.1100E 01	46.1	46.2	45.4	44.9	44.5
0.1200E 01	47.1	47.0	46.2	45.7	45.4
0.1300E 01	47.9	47.7	46.5	46.2	45.9
0.1400E 01	48.6	48.4	47.6	47.2	46.8
0.1500E 01	49.2	48.9	48.2	47.8	47.4
0.1600E 01	49.8	49.4	48.7	48.4	48.0
0.1700E 01	50.2	49.8	49.2	48.8	48.5
0.1800E 01	50.6	50.2	49.6	49.3	49.1
0.1900E 01	50.9	50.5	50.0	49.7	49.5
0.2000E 01	51.2	50.8	50.3	50.0	49.8

D/LAM.0	N	-20. LOG /Y/	VLM.0/W**20=	0.600000E 00	Y= 0.
0.1000E-03	2.00	3.00	4.00	5.00	6.00
0.0	0.0	0.0	0.0	0.0	0.0
0.2000E-03	0.0	0.0	0.0	0.0	0.0
0.4000E-03	0.0	0.0	0.0	0.0	0.0
0.6000E-03	0.0	0.0	0.0	0.0	0.0
0.8000E-03	0.0	0.0	0.0	0.0	0.0
0.1000E-02	0.0	0.0	0.0	0.0	0.0
0.2000E-02	0.0	0.0	0.0	0.0	0.0
0.4000E-02	0.0	0.0	0.0	0.0	0.0
0.6000E-02	0.0	0.0	0.0	0.0	0.0
0.8000E-02	0.1	0.3	0.9	3.3	4.9
0.1000E-01	0.1	0.5	1.3	2.7	4.4
0.2000E-01	0.4	1.6	3.9	6.5	9.0
0.4000E-01	1.4	4.8	8.7	11.9	14.2
0.6000E-01	2.8	7.9	12.4	15.3	16.8
0.8000E-01	4.4	10.7	15.2	17.5	18.5
0.1000E 00	6.1	13.1	17.4	19.7	19.8
0.2000E 00	14.4	22.0	24.0	24.2	23.9
0.3000E 00	21.2	27.1	27.7	27.4	27.0
0.4000E 00	26.3	30.4	30.3	29.8	29.4
0.5000E 00	30.1	32.8	32.4	31.8	31.5
0.6000E 00	32.9	34.6	34.0	33.5	33.2
0.7000E 00	35.1	36.1	35.4	34.9	34.6
0.8000E 00	36.7	37.3	36.6	36.1	35.8
0.9000E 00	38.0	38.3	37.6	37.2	36.9
0.1000E 01	39.1	39.1	38.5	38.1	37.8
0.1100E 01	39.7	39.8	39.2	38.8	38.6
0.1200E 01	40.6	40.4	39.8	39.5	39.3
0.1300E 01	41.2	40.9	40.4	39.9	39.7
0.1400E 01	41.7	41.4	40.9	40.1	39.7
0.15 JE 01	42.1	41.8	41.3	40.8	40.7
0.1600E 01	42.4	42.1	41.7	41.4	41.2
0.1700E 01	42.7	42.4	42.0	41.7	41.5
0.1800E 01	43.0	42.9	42.5	41.9	41.8
0.1900E 01	43.2	42.9	42.3	42.1	42.0
0.2000E 01	43.4	43.1	42.8	42.5	42.3

D/LAM.0	w	-20. LOG /T/	VLM.0/W**20=	0.70000E 00	y = 0.
0.1000E-03	3.00	4.00	5.00	6.00	7.00
0.2000E-03	0.0	0.0	0.0	0.0	0.0
0.4000E-03	0.0	0.0	0.0	0.0	0.0
0.6000E-03	0.0	0.0	0.0	0.0	0.0
0.8000E-03	0.0	0.0	0.0	0.0	0.0
0.1000E-02	0.0	0.0	0.0	0.1	0.2
0.2000E-02	0.0	0.0	0.1	0.2	0.3
0.4000E-02	0.0	0.1	0.2	0.5	1.1
0.6000E-02	0.0	0.2	0.5	1.2	2.2
0.8000E-02	0.0	0.3	0.9	2.0	3.4
0.1000E-01	0.1	0.3	0.9	2.0	4.9
0.1500E-01	0.1	0.5	1.4	2.8	4.5
0.2000E-01	0.4	1.7	4.0	6.6	8.9
0.4000E-01	1.4	4.8	8.7	11.6	13.5
0.6000E-01	2.9	7.9	12.1	14.5	15.7
0.8000E-01	4.5	10.5	14.5	16.4	17.0
0.1000E 00	6.2	12.8	16.4	17.7	18.0
0.2000E 00	14.1	20.5	21.8	21.5	21.3
0.3000E 00	20.2	24.9	24.6	24.0	23.9
0.4000E 00	24.6	27.4	27.2	26.7	26.4
0.5000E 00	27.7	29.4	28.9	28.5	28.0
0.6000E 00	29.9	30.8	30.3	29.9	29.4
0.7000E 00	31.5	32.0	31.5	31.1	30.8
0.8000E 00	32.8	33.0	32.4	32.1	31.8
0.9000E 00	33.8	34.4	33.8	33.2	32.7
0.1000E 01	34.5	34.4	33.9	33.6	33.4
0.1100E 01	35.1	34.9	34.5	34.2	34.0
0.1200E 01	35.6	35.4	35.0	34.7	34.6
0.1300E 01	36.1	35.8	35.4	35.2	35.0
0.1400E 01	36.4	36.1	35.8	35.5	35.3
0.1500E 01	36.7	36.4	36.1	35.9	35.7
0.1600E 01	36.9	36.7	36.3	36.1	35.9
0.1700E 01	37.1	36.9	36.6	36.3	36.2
0.1800E 01	37.3	37.1	36.8	36.6	36.5
0.1900E 01	37.5	37.2	37.0	36.8	36.7
0.2000E 01	37.6	37.4	37.1	37.0	36.9

D/LAM. Q	W	-20.	LOG ITI	VLAN. 0/H**2D=	0.80000E 00	Y= 0.
0.1000E-03	0.0	3.00	4.00	5.00	6.00	7.00
0.2000E-03	0.0	0.0	0.0	0.0	0.0	0.0
0.4000E-03	0.0	0.0	0.0	0.0	0.0	0.0
0.6000E-03	0.0	0.0	0.0	0.0	0.0	0.0
0.8000E-03	0.0	0.0	0.0	0.0	0.0	0.0
0.1000E-02	0.0	0.0	0.0	0.0	0.0	0.0
0.2000E-02	0.0	0.0	0.1	0.2	0.3	0.4
0.4000E-02	0.0	0.1	0.3	0.6	1.2	1.9
0.6000E-02	0.0	0.2	0.6	1.3	2.3	3.5
0.8000E-02	0.1	0.3	1.0	2.0	3.4	5.0
0.1000E-01	0.1	0.5	1.4	2.3	4.6	6.3
0.2000E-01	0.4	1.7	4.1	6.6	8.9	10.6
0.4000E-01	1.5	4.9	8.6	11.3	12.9	13.8
0.6000E-01	2.9	7.9	11.7	13.8	14.7	15.0
0.8000E-01	4.6	10.4	13.9	15.3	15.8	16.4
0.1000E 00	6.2	12.5	15.5	16.4	16.6	16.7
0.2000E 00	13.8	19.1	20.0	19.9	19.6	19.5
0.3000E 00	19.2	22.6	22.7	22.3	22.1	21.9
0.4000E 00	23.0	24.9	24.6	24.3	24.0	23.8
0.5000E 00	25.5	26.6	26.1	25.8	25.5	25.4
0.6000E 00	27.3	27.8	27.3	27.0	26.8	26.6
0.7000E 00	28.6	28.8	28.3	28.0	27.8	27.7
0.8000E 00	29.6	29.6	29.1	28.8	28.5	28.5
0.9000E 00	30.3	30.2	29.8	29.5	29.3	29.2
0.1000E 01	30.9	30.9	30.7	30.3	30.0	29.7
0.1100E 01	31.3	31.1	30.4	30.6	30.4	30.3
0.1200E 01	31.7	31.5	31.2	31.0	30.9	30.8
0.1300E 01	32.0	31.8	31.5	31.3	31.2	31.2
0.1400E 01	32.3	32.0	31.8	31.6	31.5	31.4
0.1500E 01	32.5	32.3	32.0	31.9	31.8	31.7
0.1600E 01	32.7	32.4	32.2	32.1	32.0	31.9
0.1700E 01	32.8	32.6	32.4	32.3	32.2	32.1
0.1800E 01	32.9	32.7	32.6	32.4	32.3	32.2
0.1900E 01	33.0	32.9	32.7	32.6	32.5	32.4
0.2000E 01	33.0	32.8	32.7	32.6	32.6	32.5

W	V/LAM.0	-20° LOG /T/	V/LAM.0/W**2D=	0.90000E 00	0.90000E 00	V=LAM.0/W	Y= 0.
0.1000E-03	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.2000E-03	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.4000E-03	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.6000E-03	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.8000E-03	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.1000E-02	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.2000E-02	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.4000E-02	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.6000E-02	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.8000E-02	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.1000E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.2000E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.4000E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.6000E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.8000E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.1000E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.2000E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.4000E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.6000E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.8000E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.1000E-00	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.2000E-00	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.3000E-00	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.4000E-00	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.5000E-00	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.6000E-00	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.7000E-00	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.8000E-00	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.9000E-00	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.1000E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.1200E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.1300E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.1400E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.1500E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.1600E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.1700E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.1800E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.1900E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00
0.2000E-01	0.0	4.00	5.00	6.00	7.00	8.00	9.00

D/LAM.0	W	-20. LOG /T/	V LAM.0/W**2D=	0.10000E 01	Y= 0.	40.00	50.00
0.1000E-03	2.00	4.00	5.00	6.00	7.00	8.00	9.00
0.2000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.4000E-03	1.0	0.0	0.0	0.0	0.0	0.0	0.0
0.6000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.8000E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1000E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2000E-02	0.0	0.0	0.1	0.2	0.3	0.4	0.5
0.4000E-02	0.0	0.1	0.1	0.2	0.2	0.3	0.4
0.6000E-02	0.0	0.2	0.6	1.3	2.4	3.6	4.7
0.8000E-02	0.1	0.3	1.0	2.1	3.6	5.1	6.5
0.1000E-01	0.1	0.5	3.0	4.7	6.3	7.8	8.7
0.2000E-01	0.4	1.8	4.2	6.6	8.6	10.0	11.5
0.4000E-01	1.6	5.0	8.4	10.6	11.8	12.4	12.7
0.6000E-01	3.1	7.8	11.0	12.5	13.1	13.2	13.3
0.8000E-01	4.7	10.0	12.0	13.6	13.8	13.7	13.7
0.1000E 00	6.3	11.7	13.8	14.3	14.4	14.3	14.2
0.2000E 00	13.0	16.8	17.1	17.0	16.8	16.6	16.4
0.3000E 00	17.4	19.4	19.3	19.0	18.8	18.7	18.5
0.4000E 00	20.1	21.1	20.8	20.6	20.4	20.2	20.1
0.5000E 00	21.9	22.3	22.0	21.7	21.6	21.5	21.4
0.6000E 00	23.1	23.2	22.9	22.7	22.5	22.4	22.3
0.7000E 00	24.0	23.9	23.6	23.4	23.3	23.2	23.1
0.8000E 00	24.6	24.5	24.2	24.0	23.9	23.8	23.7
0.9000E 00	25.1	24.9	24.6	24.5	24.4	24.3	24.2
0.1000E 01	25.4	25.2	25.0	24.9	24.8	24.7	24.6
0.1100E 01	25.7	25.5	25.3	25.2	25.1	25.0	25.0
0.1200E 01	25.9	25.8	25.6	25.4	25.3	25.3	25.3
0.1300E 01	26.1	25.9	25.8	25.7	25.6	25.5	25.5
0.1400E 01	26.3	26.1	25.9	25.8	25.8	25.7	25.7
0.1500E 01	26.4	26.2	26.0	26.0	25.9	25.9	25.8
0.1600E 01	26.5	26.3	26.2	26.1	26.0	26.0	26.0
0.1700E 01	26.6	26.4	26.3	26.2	26.2	26.1	26.1
0.1800E 01	26.6	26.5	26.4	26.3	26.3	26.2	26.2
0.1900E 01	26.7	26.6	26.5	26.4	26.4	26.4	26.3
0.2000E 01	26.8	26.7	26.6	26.5	26.5	26.4	26.4

D/LAM.0	W	50.00	60.00	70.00	80.00	90.00	100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00
		-20.	LOG /T/			VLAH.0/W**2D*		0.100000E-03						
0.4000E-04	0.0	0.1	0.1	0.2	0.3	0.4	4.1	9.5	14.2	18.0	21.1	23.8	26.1	
0.2000E-04	0.1	0.2	0.4	0.7	1.0	1.4	8.6	15.2	20.1	23.9	29.8	32.1		
0.4000E-04	0.4	0.8	1.4	2.2	3.1	4.1	14.2	21.1	26.1	30.0	33.1	35.8	38.2	
0.6000E-04	0.9	1.6	2.7	3.9	5.2	6.6	17.5	24.6	29.6	33.5	36.7	39.4	41.8	
0.8000E-04	1.4	2.6	4.0	5.5	7.1	8.6	20.1	27.1	32.1	36.1	39.3	42.3	44.4	
0.1000E-03	2.1	3.6	5.3	7.0	8.7	10.4	22.3	29.1	34.1	38.9	41.3	44.9	46.4	
0.2000E-03	5.4	7.9	10.2	12.4	14.3	16.1	28.1	35.3	40.4	44.5	47.9	50.9	53.5	
0.4000E-03	10.4	13.3	15.9	18.7	20.3	22.1	34.4	41.9	47.5	52.1	56.2	59.9	63.3	
0.6000E-03	13.7	16.8	19.5	21.8	23.9	25.7	38.4	46.4	52.7	58.1	63.1	67.7	72.2	
0.8000E-03	16.2	19.3	22.0	24.4	26.5	28.4	41.5	50.2	57.3	63.7	69.7	75.4	83.9	
0.1000E-02	18.1	21.3	24.0	26.4	28.6	30.5	44.2	53.7	61.8	69.2	76.2	83.0	89.6	
0.2000E-02	24.5	27.9	30.9	33.5	35.9	38.1	55.9	70.2	83.5	96.5	108.9	121.9	132.8	
0.4000E-02	32.1	36.2	39.9	43.3	46.6	49.7	77.3	105.0	127.2	150.7	173.5	195.4	216.4	
0.6000E-02	38.1	43.1	47.7	52.2	56.5	60.7	99.3	135.6	170.5	204.3	236.6	266.9	294.6	
0.8000E-02	43.7	49.7	55.4	60.9	66.3	71.6	121.3	168.2	213.5	257.0	297.6	334.3	365.9	
0.1000E-01	49.2	56.2	63.1	69.7	76.2	82.5	143.1	200.7	256.2	308.6	356.2	397.1	429.8	
0.2000E-01	76.5	0.9	101.3	113.3	125.3	137.1	251.7	361.3	450.8	563.8	504.1	641.2	659.7	
0.4000E-01	131.1	171.5	177.6	200.6	223.4	246.1	466.4	563.0						
0.6000E-01	185.6	219.9	254.0	287.8	321.5	354.9	675.2							
0.8000E-01	240.2	285.4	330.3	374.9	419.3	463.5								
0.1000E-01	294.7	350.8	406.5	461.9	517.0	571.6								
0.2000E-01	567.1	677.1												

D/LAM.0	W	50.00	60.00	70.00	80.00	90.00	100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00	
		-20.	LOG /T/												
								V LAM.3/WK=20x	0.100000E-32	Y =	3.				
0.1000E-04	0.0	0.1	0.1	0.2	0.3	0.4	4.1	9.5	14.2	18.0	21.1	23.8	26.1		
0.2000E-04	0.1	0.2	0.4	0.7	1.0	1.4	8.6	15.2	20.1	25.9	27.1	29.6	32.1		
0.3000E-04	0.4	0.8	1.4	2.2	3.1	4.1	14.2	21.1	26.1	30.5	33.1	35.8	38.2		
0.4000E-04	0.9	1.6	2.7	3.9	5.2	6.6	17.6	24.6	29.6	33.6	36.7	39.4	41.8		
0.5000E-04	1.4	2.6	4.0	5.6	7.1	8.6	20.1	27.1	32.2	36.1	39.3	42.0	44.4		
0.1000E-03	2.1	3.6	5.3	7.0	8.7	10.4	22.3	29.1	34.1	38.0	41.3	44.0	46.4		
0.2000E-03	5.4	7.9	10.2	12.4	14.3	16.1	28.1	35.3	40.7	44.5	47.9	50.8	53.4		
0.4000E-03	10.4	13.4	15.9	18.2	20.3	22.1	36.4	41.9	47.5	52.1	56.0	59.6	62.8		
0.6000E-03	13.7	16.8	19.5	21.8	23.9	25.7	38.4	46.4	52.6	57.9	62.7	66.7	70.6		
0.8000E-03	16.2	19.3	22.0	24.4	26.5	28.4	41.5	50.1	57.2	63.3	68.8	73.5	77.6		
0.1000E-02	18.1	21.3	24.0	26.4	28.6	30.5	46.2	53.6	61.5	68.5	74.5	79.7	83.7		
0.2000E-02	24.5	27.9	30.9	33.5	35.9	38.1	55.7	69.8	81.9	91.7	98.8	103.2	105.5		
0.4000E-02	32.1	36.2	39.9	43.3	46.6	49.7	77.2	99.8	116.2	125.2	128.8	129.3	128.6		
0.6000E-02	38.1	43.1	47.7	52.2	56.5	60.7	98.3	126.3	141.8	146.9	147.1	145.7	144.1		
0.8000E-02	43.7	49.7	55.4	60.9	66.3	71.5	118.0	148.9	161.1	162.7	161.0	158.8	156.9		
0.1000E-01	45.2	56.2	63.0	69.6	76.0	82.3	136.9	168.3	176.3	175.4	172.7	170.2	168.3		
0.2000E-01	76.5	88.9	101.0	112.8	124.3	135.4	215.3	231.1	225.3	221.8	218.1	215.6	213.9		
0.4000E-01	130.7	153.5	175.5	196.4	216.1	234.2	309.3	301.6	292.6	287.3	284.1	282.0	280.7		
0.6000E-01	184.3	216.6	246.9	274.6	299.0	319.5	367.8	352.5	343.4	338.6	335.8	334.1	333.0		
0.8000E-01	237.0	277.6	314.3	345.9	371.5	391.0	413.3	395.4	386.8	382.5	380.0	378.5	377.5		
0.1000E 00	288.6	336.2	377.1	409.9	434.1	450.5	491.5	433.4	425.4	421.4	419.2	417.8	416.9		
0.2000E 00	523.8	584.1	621.2	639.8	646.1	645.4	651.4	585.3	579.1	576.2	574.6	573.6	572.9		

D/LAM-0	-20.. 10G /T/	VLM-0/W**20=	0..100000E-01	Y= 3.
0..1000E-04	80.00	90.00	100.00	110.00
0..2000E-04	80.2	90.4	100.6	110.8
0..4000E-04	80.4	90.7	101.0	112.1
0..6000E-04	80.6	91.4	102.2	112.8
0..8000E-04	80.9	91.7	103.9	113.5
1..0000E-04	81.5	92.6	105.6	114.2
1..2000E-03	82.1	93.6	107.1	114.4
1..4000E-03	82.7	94.6	108.8	114.9
1..6000E-03	83.4	95.3	109.4	115.0
1..8000E-03	84.1	96.0	110.4	115.3
2..0000E-03	84.8	96.7	111.4	115.6
2..2000E-03	85.4	97.4	112.4	115.9
2..4000E-03	86.0	98.0	113.0	116.4
2..6000E-03	86.6	98.6	113.6	116.8
2..8000E-03	87.2	99.2	114.2	117.2
3..0000E-03	87.8	99.8	114.8	117.6
3..2000E-03	88.4	100.3	115.4	118.0
3..4000E-03	89.0	100.8	116.0	118.4
3..6000E-03	89.6	101.3	116.6	118.8
3..8000E-03	90.2	101.8	117.2	119.2
4..0000E-03	90.8	102.3	117.8	119.6
4..2000E-03	91.4	102.8	118.4	120.0
4..4000E-03	92.0	103.3	119.0	120.6
4..6000E-03	92.6	103.8	119.6	121.2
4..8000E-03	93.2	104.3	120.2	121.8
5..0000E-03	93.8	104.8	120.8	122.4
5..2000E-03	94.4	105.3	121.4	123.0
5..4000E-03	95.0	105.8	122.0	123.6
5..6000E-03	95.6	106.3	122.6	124.2
5..8000E-03	96.2	106.8	123.2	124.8
6..0000E-03	96.8	107.3	123.8	125.4
6..2000E-03	97.4	107.8	124.4	126.0
6..4000E-03	98.0	108.3	125.0	126.6
6..6000E-03	98.6	108.8	125.6	127.2
6..8000E-03	99.2	109.3	126.2	127.8
7..0000E-03	99.8	109.8	126.8	128.4
7..2000E-03	100.4	110.3	127.4	129.0
7..4000E-03	101.0	110.8	128.0	129.6
7..6000E-03	101.6	111.3	128.6	130.2
7..8000E-03	102.2	111.8	129.2	130.8
8..0000E-03	102.8	112.3	129.8	131.4
8..2000E-03	103.4	112.8	130.4	132.0
8..4000E-03	104.0	113.3	131.0	132.6
8..6000E-03	104.6	113.8	131.6	133.2
8..8000E-03	105.2	114.3	132.2	133.8
9..0000E-03	105.8	114.8	132.8	134.4
9..2000E-03	106.4	115.3	133.4	135.0
9..4000E-03	107.0	115.8	134.0	135.6
9..6000E-03	107.6	116.3	134.6	136.2
9..8000E-03	108.2	116.8	135.2	136.8
1..0000E-03	108.8	117.3	135.8	137.4
1..2000E-03	109.4	117.8	136.4	138.0
1..4000E-03	110.0	118.3	137.0	138.6
1..6000E-03	110.6	118.8	137.6	139.2
1..8000E-03	111.2	119.3	138.2	139.8
2..0000E-03	111.8	119.8	138.8	140.4
2..2000E-03	112.4	120.3	139.4	141.0
2..4000E-03	113.0	120.8	140.0	141.6
2..6000E-03	113.6	121.3	140.6	142.2
2..8000E-03	114.2	121.8	141.2	142.8
3..0000E-03	114.8	122.3	141.8	143.4
3..2000E-03	115.4	122.8	142.4	144.0
3..4000E-03	116.0	123.3	143.0	144.6
3..6000E-03	116.6	123.8	143.6	145.2
3..8000E-03	117.2	124.3	144.2	145.8
4..0000E-03	117.8	124.8	144.8	146.4
4..2000E-03	118.4	125.3	145.4	147.0
4..4000E-03	119.0	125.8	146.0	147.6
4..6000E-03	119.6	126.3	146.6	148.2
4..8000E-03	120.2	126.8	147.2	148.8
5..0000E-03	120.8	127.3	147.8	149.4
5..2000E-03	121.4	127.8	148.4	150.0
5..4000E-03	122.0	128.3	149.0	150.6
5..6000E-03	122.6	128.8	149.6	151.2
5..8000E-03	123.2	129.3	150.2	151.8
6..0000E-03	123.8	129.8	150.8	152.4
6..2000E-03	124.4	130.3	151.4	153.0
6..4000E-03	125.0	130.8	152.0	153.6
6..6000E-03	125.6	131.3	152.6	154.2
6..8000E-03	126.2	131.8	153.2	154.8
7..0000E-03	126.8	132.3	153.8	155.4
7..2000E-03	127.4	132.8	154.4	156.0
7..4000E-03	128.0	133.3	155.0	156.6
7..6000E-03	128.6	133.8	155.6	157.2
7..8000E-03	129.2	134.3	156.2	157.8
8..0000E-03	129.8	134.8	156.8	158.4
8..2000E-03	130.4	135.3	157.4	159.0
8..4000E-03	131.0	135.8	158.0	159.6
8..6000E-03	131.6	136.3	158.6	160.2
8..8000E-03	132.2	136.8	159.2	160.8
9..0000E-03	132.8	137.3	159.8	161.4
9..2000E-03	133.4	137.8	160.4	162.0
9..4000E-03	134.0	138.3	161.0	162.6
9..6000E-03	134.6	138.8	161.6	163.2
9..8000E-03	135.2	139.3	162.2	163.8
1..0000E-03	135.8	139.8	162.8	164.4
1..2000E-03	136.4	140.3	163.4	165.0
1..4000E-03	137.0	140.8	164.0	165.6
1..6000E-03	137.6	141.3	164.6	166.2
1..8000E-03	138.2	141.8	165.2	166.8
2..0000E-03	138.8	142.3	165.8	167.4
2..2000E-03	139.4	142.8	166.4	168.0
2..4000E-03	140.0	143.3	167.0	168.6
2..6000E-03	140.6	143.8	167.6	169.2
2..8000E-03	141.2	144.3	168.2	169.8
3..0000E-03	141.8	144.8	168.8	170.4
3..2000E-03	142.4	145.3	169.4	171.0
3..4000E-03	143.0	145.8	170.0	171.6
3..6000E-03	143.6	146.3	170.6	172.2
3..8000E-03	144.2	146.8	171.2	172.8
4..0000E-03	144.8	147.3	171.8	173.4
4..2000E-03	145.4	147.8	172.4	174.0
4..4000E-03	146.0	148.3	173.0	174.6
4..6000E-03	146.6	148.8	173.6	175.2
4..8000E-03	147.2	149.3	174.2	175.8
5..0000E-03	147.8	149.8	174.8	176.4
5..2000E-03	148.4	150.3	175.4	177.0
5..4000E-03	149.0	150.8	176.0	177.6
5..6000E-03	149.6	151.3	176.6	178.2
5..8000E-03	150.2	151.8	177.2	178.8
6..0000E-03	150.8	152.3	177.8	179.4
6..2000E-03	151.4	152.8	178.4	179.0
6..4000E-03	152.0	153.3	179.0	179.6
6..6000E-03	152.6	153.8	179.6	180.2
6..8000E-03	153.2	154.3	180.2	180.8
7..0000E-03	153.8	154.8	180.8	181.4
7..2000E-03	154.4	155.3	181.4	182.0
7..4000E-03	155.0	155.8	182.0	182.6
7..6000E-03	155.6	156.3	182.6	183.2
7..8000E-03	156.2	156.8	183.2	183.8
8..0000E-03	156.8	157.3	183.8	184.4
8..2000E-03	157.4	157.8	184.4	185.0
8..4000E-03	158.0	158.3	185.0	185.6
8..6000E-03	158.6	158.8	185.6	186.2
8..8000E-03	159.2	159.3	186.2	186.8
9..0000E-03	159.8	159.8	186.8	187.4
9..2000E-03	160.4	160.3	187.4	188.0
9..4000E-03	161.0	160.8	188.0	188.6
9..6000E-03	161.6	161.3	188.6	189.2
9..8000E-03	162.2	161.8	189.2	189.8
1..0000E-03	162.8	162.3	189.8	190.4
1..2000E-03	163.4	162.8	190.4	191.0
1..4000E-03	164.0	163.3	191.0	191.6
1..6000E-03	164.6	163.8	191.6	192.2
1..8000E-03	165.2	164.3	192.2	192.8
2..0000E-03	165.8	164.8	192.8	193.4
2..2000E-03	166.4	165.3	193.4	194.0
2..4000E-03	167.0	165.8	194.0	194.6
2..6000E-03	167.6	166.3	194.6	195.2
2..8000E-03	168.2	166.8	195.2	195.8
3..0000E-03	168.8	167.3	195.8	196.4
3..2000E-03	169.4	167.8	196.4	197.0
3..4000E-03	170.0	168.3	197.0	197.6
3..6000E-03	170.6	168.8	197.6	198.2
3..8000E-03	171.2	169.3	198.2	198.8
4..0000E-03	171.8	169.8	198.8	199.4
4..2000E-03	172.4	170.3	199.4	200.0
4..4000E-03	173.0	170.8	200.0	200.6
4..6000E-03	173.6	171.3	200.6	201.2
4..8000E-03	174.2	171.8	201.2	201.8
5..0000E-03	174.8	172.3	201.8	202.4
5..2000E-03	175.4	172.8	202.4	203.0
5..4000E-03	176.0	173.3	203.0	203.6
5..6000E-03	176.6	173.8	203.6	204.2
5..8000E-03	177.2	174.3	204.2	204.8
6..0000E-03	177.8	174.8	204.8	205.4
6..2000E-03	178.4	175.3	205.4	206.0
6..4000E-03	179.0	175.8	206.0	206.6
6..6000E-03	179.6	176.3	206.6	207.2
6..8000E-03	180.2	176.8	207.2	207.8
7..0000E-03	180.8	177.3	207.8	208.4
7..2000E-03	181.4	177.8	208.4	209.0
7..4000E-03	182.0	178.3	209.0	209.6
7..6000E-03	182.6	178.8	209.6	210.2
7..8000E-03	183.2	179.3	210.2	210.8
8..0000E-03	183.8	179.8	210.8	211.4
8..2000E-03	184.4	180.3	211.4	212.0
8..4000E-03	185.0	180.8	212.0	212.6
8..6000E-03	185.6	181.3	212.6	213.2
8..8000E-03	186.2	181.8	213.2	213.8
9..0000E-03	186.8	182.3	213.8	214.4
9..2000E-03	187.4	182.8	214.4	215.0
9..4000E-03	188.0	183.3	215.0	215.6
9..6000E-03	188.6	183.8	215.6	216.2
9..8000E-03	189.2	184.3	216.2	216.8
1..0000E-03	189.8	184.8	216.8	217.4
1..2000E-03	190.4	185.3	217.4	218.0
1..4000E-03	191.0	185.8	218.0	218.6
1..6000E-03	191.6	186.3	218.6	219.2
1..8000E-03	192.2	186.8	219.2	219.8
2..0000E-03	192.8	187.3	219.8	220.4
2..2000E-03	193.4	187.8	220.4	221.0
2..4000E-03	194.0	188.3	221.0	221.6
2..6000E-03	194.6	188.8	221.6	222.2
2..8000E-03	195.2	189.3	222.2	222.8
3..0000E-03	195.8	189.8	222.8	223.4
3..2000E-03	196.4	190.3	223.4	224.0
3..4000E-03	197.0	190.8	224.0	224.6
3..6000E-03	197.6	191.3	224.6	225.2
3..8000E-03	198.2	191.8	225.2	225.8
4..0000E-03	198.8	192.3	225.8	226.4
4..2000E-03	199.4	192.8	226.4	227.0
4..4000E-03	200.0	193.3	227.0	227.6
4..6000E-03	200.6	193.8	227.6	228.2
4..8000E-03	201.2	194.3	228	

D/LAM.0	W	50.00	60.00	70.00	80.00	90.00	100.00	250.00	300.00	400.00	500.00	600.00	700.00	800.00
0.1000E-04	0.0	0.1	0.1	0.2	0.3	0.4	4.1	9.6	14.2	18.0	21.1	23.8	26.1	
0.2000E-04	0.1	0.2	0.4	0.7	1.0	1.5	8.7	15.2	20.1	24.0	27.1	29.7	31.9	
0.4000E-04	0.4	0.8	1.4	2.2	3.1	4.1	16.2	21.1	26.1	29.9	32.9	35.3	37.2	
0.6000E-04	0.9	1.7	2.7	3.9	5.3	6.6	17.7	24.5	29.5	33.2	36.0	38.2	39.8	
0.8000E-04	1.5	2.6	4.0	5.6	7.2	8.7	20.1	27.1	31.9	35.5	38.0	39.9	41.2	
0.1000E-03	2.1	3.6	5.3	7.1	8.8	10.4	22.1	29.0	33.7	37.1	39.4	41.0	42.0	
0.2000E-03	5.4	7.9	10.3	12.4	14.4	16.1	28.3	34.8	38.9	41.3	42.5	43.2	43.6	
0.4000E-03	10.4	13.4	16.0	18.3	20.3	22.1	34.0	39.8	42.5	43.5	43.9	44.3	44.1	
0.6000E-03	13.8	16.8	19.5	21.8	23.9	25.7	37.4	42.1	43.7	44.1	44.2	44.2	44.2	
0.8000E-03	16.2	19.4	22.0	24.4	26.4	28.5	39.6	43.4	44.4	44.3	44.3	44.3	44.3	
0.1000E-02	18.2	21.3	24.1	26.4	28.5	30.4	41.3	44.1	44.5	44.5	44.6	44.6	44.4	
0.2000E-02	24.5	27.9	30.7	33.7	35.4	37.3	45.3	45.6	45.3	45.2	45.0	44.9	44.9	
0.4000E-02	31.9	35.7	38.8	41.5	43.5	45.1	48.1	47.4	47.0	46.8	46.7	46.6	46.6	
0.6000E-02	37.5	41.6	44.8	47.2	48.8	49.9	50.2	49.3	49.3	48.8	48.7	48.6	48.6	
0.8000E-02	42.3	46.5	49.5	51.5	52.6	53.1	52.1	51.2	50.9	50.7	50.8	50.6	50.6	
0.1000E-01	46.6	50.8	53.4	54.8	55.5	55.6	53.1	52.8	52.6	52.6	52.5	52.5	52.5	
0.2000E-01	63.0	65.1	65.5	65.3	64.9	64.4	61.9	61.3	61.1	61.3	60.9	60.9	60.8	
0.4000E-01	80.8	80.1	79.1	78.2	77.6	76.8	74.7	74.2	74.0	73.9	73.9	73.9	73.9	
0.6000E-01	91.9	90.4	89.2	88.2	87.5	87.0	85.1	84.7	84.6	84.5	84.5	84.4	84.4	
0.8000E-01	100.9	99.1	97.9	97.0	96.3	95.8	94.1	93.8	92.7	93.6	93.6	93.6	93.6	
0.1000E-00	108.7	106.9	105.7	104.8	104.2	103.8	102.2	101.9	101.8	101.8	101.7	101.7	101.7	
0.2000E-00	140.0	138.5	137.5	136.8	136.3	136.0	134.3	134.7	134.6	134.6	134.5	134.5	134.5	
0.3000E-00	164.8	163.4	162.6	162.0	161.6	161.4	160.4	160.3	160.2	160.2	160.2	160.2	160.2	
0.4000E-00	186.0	184.8	184.1	183.6	183.2	183.0	182.2	182.0	182.0	182.0	182.0	181.9	181.9	
0.5000E-00	204.9	203.8	203.1	202.7	202.3	202.1	201.4	201.3	201.2	201.2	201.2	201.2	201.2	
0.6000E-00	222.0	221.0	220.4	220.0	219.7	219.5	218.8	218.7	218.7	218.6	218.6	218.6	218.6	
0.7000E-00	237.8	236.9	236.3	235.9	235.7	235.5	234.9	234.8	234.7	234.7	234.7	234.7	234.7	
0.8000E-00	252.5	251.7	251.1	250.8	250.5	250.3	249.8	249.7	249.6	249.6	249.6	249.6	249.6	
0.9000E-00	266.4	265.6	265.0	264.7	264.3	264.0	263.9	263.7	263.6	263.6	263.6	263.6	263.6	
0.1000E-01	279.5	278.7	278.2	277.9	277.7	277.5	276.9	276.9	276.9	276.9	276.9	276.9	276.9	
0.1100E-01	291.9	291.2	290.7	290.4	290.1	289.6	289.5	289.5	289.5	289.4	289.4	289.4	289.4	
0.1200E-01	303.8	303.1	302.7	302.4	302.0	301.6	301.5	301.5	301.4	301.4	301.4	301.4	301.4	
0.1300E-01	315.2	314.5	314.1	313.8	313.5	313.1	313.0	312.9	312.9	312.9	312.9	312.9	312.9	
0.1400E-01	326.2	325.5	325.1	324.8	324.5	324.1	324.0	324.0	324.0	324.0	323.9	323.9	323.9	
0.1500E-01	336.7	335.1	335.0	334.7	334.6	334.6	334.6	334.6	334.6	334.6	334.6	334.6	334.6	

D/LAM.0	Y	V1AM.0/M**2C = 0.3000000							
0-1000E-04	0.0	60.00	70.00	80.00	90.00	100.00	250.00	300.00	400.00
0-2000E-04	0.1	0.1	0.2	0.3	0.4	4.2	9.6	14.3	18.0
0-4000E-04	0.4	0.8	1.4	2.2	3.1	4.2	14.3	21.1	23.8
0-6000E-04	0.9	1.7	2.7	4.0	5.3	6.6	17.7	24.6	27.0
0-8000E-04	1.5	2.6	4.1	5.6	7.2	8.7	20.1	27.3	31.6
0-1000E-03	2.1	3.6	5.3	7.1	8.8	10.4	22.1	28.9	32.5
0-2000E-03	5.5	7.9	10.3	12.4	14.4	16.2	27.9	34.2	37.5
0-4000E-03	10.5	13.4	16.0	18.3	20.3	22.1	33.5	38.2	39.8
0-6000E-03	13.8	16.9	19.5	21.8	23.8	25.7	36.4	39.6	43.4
0-8000E-03	16.2	19.4	22.0	24.4	26.4	28.2	38.1	40.2	40.6
0-1000E-02	18.2	21.3	24.0	26.4	28.4	30.2	39.1	40.6	40.7
0-2000E-02	24.5	27.8	30.5	32.8	34.8	36.4	41.3	41.3	41.3
0-4000E-02	31.7	35.1	37.8	39.7	41.1	42.0	42.7	42.3	41.9
0-6000E-02	36.7	40.1	42.3	43.6	44.4	44.4	43.9	43.2	43.0
0-8000E-02	40.8	43.8	45.5	46.3	46.5	46.5	45.2	44.7	44.4
0-1000E-01	44.3	46.7	47.9	48.2	48.2	48.0	46.5	46.1	45.9
0-2000E-01	55.4	55.8	55.0	54.5	54.5	54.2	52.6	52.1	52.0
0-4000E-01	67.1	66.1	65.3	64.7	64.2	63.8	62.6	62.3	62.2
0-6000E-01	75.2	74.0	73.2	72.6	72.2	71.9	70.8	70.6	70.5
0-8000E-01	82.1	80.9	80.2	79.6	79.2	78.9	77.8	77.8	77.7
0-10 1E 00	88.3	87.2	86.4	85.3	85.6	84.5	84.5	84.3	84.2
0-20 1E 00	113.6	112.7	112.1	111.5	111.5	110.7	110.6	110.5	110.5
0-30 1E 00	133.6	132.9	132.4	132.1	131.9	131.7	131.2	131.1	131.1
0-4000E 00	150.8	150.2	149.7	149.5	149.3	149.2	148.7	148.6	148.6
0-5000E 00	166.1	165.5	165.1	164.9	164.7	164.6	164.2	164.1	164.1
0-6000E 00	179.9	179.4	179.0	178.8	178.7	178.6	178.2	178.1	178.1
0-7000E 00	192.7	192.2	191.9	191.7	191.5	191.4	191.3	191.3	191.0
0-8000E 00	204.6	204.1	203.8	203.6	203.5	203.4	203.0	203.0	203.0
0-9000E 00	215.7	215.3	215.0	214.8	214.7	214.0	214.2	214.2	214.2
0-1000E 01	226.2	225.8	225.5	225.4	225.3	225.2	224.9	224.8	224.8
0-1100E 01	236.2	235.8	235.6	235.4	235.3	235.2	235.0	234.9	234.9
0-1200E 01	245.6	245.4	245.1	245.0	244.9	244.8	244.5	244.5	244.5
0-1300E 01	254.9	254.5	254.2	254.1	254.0	253.9	253.7	253.6	253.6
0-1400E 01	263.6	263.2	263.0	262.9	262.8	262.7	262.5	262.4	262.4
0-1500E 01	272.0	271.7	271.5	271.3	271.2	271.1	270.9	270.9	270.9

D/LAH.0	N	-20. LOG /T/	VLAH.0/W**2D=	0.400000E-01	Y= J.
0.1000E-04	0.0	60.00	70.00	80.00	90.00
0.2000E-04	0.1	60.1	70.1	80.2	90.3
0.4000E-04	0.2	60.2	70.4	80.7	91.0
0.6000E-04	0.4	60.8	71.4	82.2	92.0
0.8000E-04	0.7	61.7	72.7	84.0	93.7
1.0000E-04	0.9	62.6	74.0	85.6	95.3
1.5000E-04	1.5	64.1	76.2	87.7	97.4
2.0000E-04	2.1	65.6	78.1	89.5	99.2
2.5000E-04	3.0	67.4	80.3	91.5	101.2
3.0000E-04	5.5	80.0	103.0	125.5	147.0
4.0000E-04	10.5	12.5	14.4	16.2	18.0
6.0000E-04	16.0	18.0	20.3	22.1	24.3
8.0000E-04	16.9	19.5	21.8	23.8	25.6
10.0000E-04	13.8	16.9	19.5	21.8	23.8
12.0000E-04	13.8	16.2	19.4	22.0	24.3
14.0000E-04	16.2	19.4	22.0	24.3	26.3
16.0000E-04	18.2	21.3	24.0	26.3	28.0
18.0000E-04	24.4	27.6	30.2	32.3	34.0
20.0000E-04	31.3	34.4	36.5	37.9	38.6
22.0000E-04	35.8	38.4	39.9	40.6	41.0
24.0000E-04	39.2	41.2	42.1	42.3	42.2
26.0000E-04	41.8	43.2	43.6	43.6	43.5
28.0000E-04	49.8	49.5	49.1	48.7	48.0
30.0000E-04	58.6	57.0	57.1	56.7	56.3
32.0000E-04	65.2	64.4	63.8	63.4	63.1
34.0000E-04	71.1	70.2	69.7	69.3	69.1
36.0000E-04	76.4	75.6	75.1	74.7	74.5
38.0000E-04	98.0	97.4	97.0	96.8	96.6
40.0000E-04	115.2	114.7	114.4	114.2	114.1
42.0000E-04	130.0	129.6	129.3	129.1	129.0
44.0000E-04	143.1	142.7	142.4	142.3	142.1
46.0000E-04	154.9	154.6	154.4	154.2	154.1
48.0000E-04	165.9	165.5	165.3	165.2	165.1
50.0000E-04	176.0	175.7	175.5	175.4	175.3
52.0000E-04	185.5	185.2	185.0	184.9	184.8
54.0000E-04	194.5	194.2	194.0	193.9	193.8
56.0000E-04	203.0	202.7	202.5	202.4	202.3
58.0000E-04	211.1	210.8	210.6	210.5	210.4
60.0000E-04	218.8	218.5	218.4	218.3	218.2
62.0000E-04	226.2	225.9	225.8	225.7	225.6
64.0000E-04	233.1	233.3	232.9	232.8	232.7

D/LAW	W	-20.	LOG IT/	VLMN.J/H**20*	0.500000E-01	Y= J.
0.1000E-04	50.00	60.00	70.00	80.00	90.00	100.00
0.2000E-04	60.0	60.1	60.2	60.3	60.4	60.5
0.4000E-04	0.1	0.2	0.4	0.7	1.0	1.5
0.6000E-04	0.4	0.8	1.4	2.2	3.2	4.2
0.8000E-04	0.9	1.7	2.7	4.6	5.3	6.7
0.1000E-03	1.5	2.7	4.1	5.6	7.2	8.8
0.2000E-03	2.1	3.7	5.4	7.1	8.9	10.5
0.4000E-03	5.5	8.0	10.3	12.5	14.4	16.2
0.6000E-03	10.5	13.5	16.0	18.3	20.3	22.1
0.8000E-03	13.8	16.9	19.5	21.6	23.7	25.5
0.1000E-02	16.3	19.4	22.0	24.2	26.2	27.8
0.2000E-02	18.2	21.3	23.9	26.1	28.0	29.6
0.4000E-02	24.3	27.4	29.9	31.8	33.2	34.2
0.6000E-02	30.9	33.6	35.3	36.3	36.9	37.1
0.8000E-02	34.8	36.8	37.8	38.2	38.3	38.6
0.1000E-01	37.6	38.9	39.3	39.4	39.3	39.1
0.2000E-01	39.6	40.3	40.6	40.3	40.1	39.9
0.4000E-01	45.5	45.1	44.7	44.3	44.0	43.8
0.6000E-01	52.7	52.0	51.5	51.2	51.0	50.8
0.8000E-01	58.5	57.8	57.4	57.1	56.9	56.7
0.1000E-00	63.6	63.0	62.6	62.3	62.0	61.6
0.2000E-00	68.3	67.7	67.3	67.1	66.9	66.4
0.3000E-00	87.4	87.0	86.7	86.6	86.4	86.1
0.4000E-00	102.7	102.4	102.1	101.9	101.6	101.3
0.5000E-00	115.8	115.5	115.3	115.2	115.0	114.8
0.6000E-00	127.4	127.1	126.9	126.8	126.7	126.5
0.7000E-00	137.9	137.6	137.5	137.4	137.3	137.2
0.8000E-00	147.5	147.3	147.1	147.0	146.9	146.8
0.9000E-00	156.5	156.2	156.1	156.0	155.9	155.8
0.1000E-01	164.8	164.6	164.5	164.4	164.3	164.2
0.1100E-01	180.2	180.0	179.8	179.6	179.4	179.2
0.1200E-01	187.3	187.1	187.0	186.9	186.8	186.7
0.1300E-01	194.0	193.9	193.8	193.7	193.6	193.5
0.1400E-01	200.5	200.4	200.2	200.1	200.0	200.0
0.1500E-01	206.7	206.6	206.5	206.4	206.3	206.2

D/LAH.0	W	50.00	60.00	70.00	80.00	90.0C	100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00
0.1000E-04	0.0	0.1	0.1	0.2	0.3	0.4	4.2	9.7	14.3	18.0	21.1	23.6	25.6	25.6
0.2000E-04	0.1	0.2	0.4	0.7	1.0	1.5	8.8	15.3	20.1	23.7	26.5	28.7	30.2	30.2
0.4000E-04	0.4	0.8	1.4	2.2	3.2	4.2	14.3	21.1	25.7	28.8	30.9	32.2	33.0	33.0
0.6000E-04	0.9	1.7	2.8	4.0	5.3	6.7	17.7	24.4	28.5	31.1	32.5	33.4	33.8	33.8
0.8000E-04	1.5	2.7	4.1	5.7	7.2	8.8	20.1	26.5	30.3	32.3	33.3	33.9	34.1	34.1
0.1000E-03	2.1	3.7	5.4	7.2	8.9	10.5	22.0	28.1	31.4	33.0	33.7	34.1	34.3	34.3
0.2000E-03	5.5	8.0	10.3	12.5	14.4	16.2	27.3	32.0	33.6	34.1	34.4	34.5	34.5	34.5
0.4000E-03	10.5	13.5	16.0	18.3	20.3	22.0	31.5	33.8	34.4	34.5	34.5	34.5	34.6	34.6
0.6000E-03	13.8	16.9	19.5	21.7	23.7	25.3	33.1	34.3	34.6	34.6	34.6	34.6	34.6	34.6
0.8000E-03	16.3	19.3	21.9	24.1	26.0	27.6	33.8	34.5	34.6	34.6	34.6	34.6	34.6	34.6
0.1000E-02	18.2	21.3	23.8	26.0	27.7	29.2	34.2	34.6	34.6	34.6	34.6	34.6	34.6	34.6
0.2000E-02	24.2	27.2	29.5	31.2	32.4	33.2	34.8	34.8	34.7	34.7	34.7	34.7	34.7	34.7
0.4000E-02	30.4	32.7	34.1	34.8	35.2	35.4	35.2	35.5	35.0	35.0	34.9	34.9	34.9	34.9
0.6000E-02	33.9	35.4	36.0	36.2	36.2	36.2	36.2	35.6	35.4	35.4	35.3	35.3	35.3	35.3
0.8000E-02	36.1	36.9	37.1	37.1	37.1	37.1	36.8	36.1	36.1	35.9	35.8	35.8	35.8	35.8
0.1000E-01	37.6	38.0	38.0	37.8	37.6	37.4	36.7	36.7	36.5	36.5	36.4	36.4	36.4	36.4
0.2000E-01	42.2	41.8	41.4	41.1	40.9	40.7	40.1	39.9	39.9	39.9	39.9	39.9	39.9	39.9
0.4000E-01	48.4	47.8	47.4	47.2	47.0	46.8	46.4	46.3	46.3	46.3	46.2	46.2	46.2	46.2
0.6000E-01	53.5	53.0	52.7	52.4	52.3	52.3	52.3	51.8	51.7	51.7	51.7	51.7	51.7	51.7
0.8000E-01	58.1	57.3	57.1	57.0	57.0	56.9	56.9	56.5	56.5	56.5	56.5	56.5	56.5	56.5
0.1000E-00	62.3	61.9	61.6	61.4	61.3	61.2	60.9	60.8	60.8	60.8	60.8	60.8	60.8	60.8
0.2000E-00	79.7	79.3	79.1	79.0	78.9	78.8	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
0.3000E-00	93.5	93.2	93.0	92.9	92.9	92.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
0.4000E-00	105.3	105.1	104.9	104.8	104.8	104.7	104.6	104.6	104.5	104.5	104.5	104.5	104.5	104.5
0.5000E-00	115.8	115.6	115.4	115.3	115.3	115.2	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
0.6000E-00	125.0	124.9	124.8	124.8	124.8	124.8	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6
0.7000E-00	133.9	133.7	133.6	133.6	133.5	133.5	133.5	133.4	133.3	133.3	133.3	133.3	133.3	133.3
0.8000E-00	142.0	141.8	141.7	141.6	141.6	141.6	141.6	141.5	141.4	141.4	141.4	141.4	141.4	141.4
0.9000E-00	149.5	149.4	149.3	149.2	149.2	149.1	149.1	149.0	149.0	149.0	149.0	149.0	149.0	149.0
0.1000E-01	156.6	156.4	156.4	156.3	156.3	156.2	156.2	156.1	156.1	156.1	156.1	156.1	156.1	156.1
0.1100E-01	163.3	163.1	163.1	163.0	163.0	162.9	162.9	162.8	162.8	162.8	162.8	162.8	162.8	162.8
0.1200E-01	169.6	169.5	169.4	169.4	169.3	169.3	169.3	169.2	169.2	169.2	169.2	169.2	169.2	169.2
0.1300E-01	175.7	175.6	175.5	175.4	175.4	175.4	175.4	175.3	175.3	175.3	175.3	175.3	175.3	175.3
0.1400E-01	181.3	181.3	181.3	181.2	181.2	181.2	181.2	181.1	181.1	181.1	181.1	181.1	181.1	181.1
0.1500E-01	187.0	186.9	186.8	186.8	186.7	186.7	186.6	186.6	186.6	186.6	186.6	186.6	186.6	186.6

D/LAM,0	W	50.00	60.00	70.00	80.00	90.00	100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00
		-20.	LOG	T/	VLM,J/W**2D=	0.700000E-01	Y*	3.						
0*1000E-04	0.0	60.1	70.0	80.0	90.0	100.0	200.0	300.0	400.0	500.0	600.0	700.0	800.0	900.0
0*2000E-04	0.1	60.1	70.1	80.1	90.3	100.4	200.4	300.7	400.7	500.7	600.7	700.7	800.7	900.7
0*4000E-04	0.4	60.4	70.4	80.4	90.7	100.5	200.5	300.8	400.8	500.8	600.8	700.8	800.8	900.8
0*6000E-04	0.9	61.7	72.8	84.0	95.4	104.3	211.0	325.5	428.4	525.5	625.5	725.5	825.5	925.5
0*8000E-04	1.1	62.7	74.1	85.7	97.3	106.7	217.7	344.2	448.2	544.2	644.2	744.2	844.2	944.2
0*1000E-03	2.2	75.4	87.2	98.9	105.5	116.2	219.9	320.7	427.8	527.8	627.8	727.8	827.8	927.8
0*2000E-03	5.5	10.4	12.5	14.4	16.2	17.1	27.1	31.2	32.9	32.9	32.9	32.9	32.9	32.9
0*4000E-03	10.5	13.5	16.0	18.3	20.2	22.0	30.9	32.7	33.1	33.1	33.1	33.1	33.1	33.1
0*6000E-03	13.8	16.5	19.5	21.7	23.6	25.2	32.1	33.1	33.2	33.2	33.2	33.2	33.2	33.2
0*8000E-03	16.3	19.3	21.9	24.0	25.8	27.3	32.7	33.2	33.3	33.3	33.3	33.3	33.3	33.3
0*1000E-02	18.2	21.2	23.7	25.8	27.4	28.8	33.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3
0*2000E-02	24.1	27.0	29.0	31.6	32.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
0*4000E-02	29.9	31.9	33.0	33.5	33.6	33.9	33.7	33.6	33.6	33.6	33.6	33.6	33.6	33.6
0*6000E-02	32.9	34.0	34.5	34.6	34.6	34.5	34.1	33.9	33.9	33.9	33.9	33.9	33.9	33.9
0*8000E-02	34.7	35.2	35.3	35.2	35.1	35.0	34.4	34.3	34.3	34.3	34.2	34.2	34.2	34.2
0*1000E-01	35.9	36.1	36.0	35.8	35.6	35.5	34.9	34.8	34.8	34.7	34.7	34.7	34.7	34.7
0*2000E-01	39.6	39.2	38.8	38.6	38.4	38.2	37.7	37.6	37.6	37.6	37.6	37.6	37.6	37.6
0*4000E-01	45.0	44.5	44.2	44.0	43.9	43.8	43.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3
0*6000E-01	49.7	49.3	49.0	48.8	48.7	49.6	48.3	48.2	48.2	48.2	48.2	48.2	48.2	48.2
0*8000E-01	53.9	53.5	53.2	53.1	53.0	52.9	52.6	52.5	52.5	52.5	52.5	52.5	52.5	52.5
0*1000E 00	57.7	57.4	57.1	57.0	56.9	56.8	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5
0*2000E 00	73.6	73.3	73.2	73.1	72.4	73.0	72.8	72.8	72.7	72.7	72.7	72.7	72.7	72.7
0*3000E 00	86.3	86.1	86.0	85.9	85.8	85.8	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
0*4000E 00	97.1	97.0	96.8	96.8	96.7	96.7	96.6	96.6	96.5	96.5	96.5	96.5	96.5	96.5
0*5000E 00	106.7	106.6	106.5	106.4	106.3	106.3	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2
0*6000E 00	115.4	115.2	115.2	115.1	115.1	115.0	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9
0*7000E 00	123.3	123.2	123.1	123.0	123.0	123.0	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9
0*8000E 00	130.7	130.6	130.5	130.4	130.4	130.4	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3
0*9000E 00	137.6	137.4	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3
0*1000E 01	144.0	143.9	143.8	143.8	143.8	143.8	143.7	143.7	143.7	143.7	143.7	143.7	143.7	143.7
0*1100E 01	150.1	149.9	149.9	149.9	149.9	149.9	149.8	149.7	149.7	149.7	149.7	149.7	149.7	149.7
0*1200E 01	155.9	155.8	155.7	155.7	155.6	155.6	155.5	155.5	155.5	155.5	155.5	155.5	155.5	155.5
0*1300E 01	161.4	161.3	161.2	161.2	161.1	161.1	161.0	161.0	161.0	161.0	161.0	161.0	161.0	161.0
0*1400E 01	166.6	166.5	166.4	166.4	166.4	166.4	166.3	166.3	166.3	166.3	166.3	166.3	166.3	166.3
0*1500E 01	171.6	171.5	171.4	171.4	171.4	171.4	171.3	171.3	171.3	171.3	171.3	171.3	171.3	171.3

D/LAM. 0	W	50.00	60.00	70.00	80.00	90.00	100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00
0.1000E-04	0.0	0.1	0.1	0.2	0.3	0.4	4.2	9.7	14.3	18.0	21.0	23.4	25.3	
0.2000E-04	0.1	0.2	0.4	0.7	1.0	1.5	8.8	15.3	20.3	23.5	26.1	27.9	29.2	
0.4000E-04	0.4	0.8	1.5	2.3	3.2	4.2	14.3	21.0	25.3	28.0	29.7	30.6	31.2	
0.6000E-04	0.9	1.7	2.8	4.0	5.4	6.7	17.7	24.1	27.8	29.8	30.9	31.4	31.7	
0.8000E-04	1.5	2.7	4.1	5.7	7.3	8.8	20.0	26.1	29.2	30.7	31.4	31.7	31.9	
0.1000E-03	2.2	3.7	5.4	7.2	8.9	10.5	21.8	27.5	30.1	31.2	31.6	31.8	32.0	
0.2000E-03	5.6	8.0	10.4	12.5	14.5	16.2	26.8	30.5	31.5	31.9	32.0	32.0	32.1	
0.4000E-03	10.6	13.5	16.1	18.3	20.2	21.9	30.2	31.7	32.0	32.1	32.1	32.1	32.1	
0.6000E-03	13.9	16.9	19.4	21.6	23.4	25.0	31.2	32.3	32.4	32.1	32.1	32.1	32.1	
0.8000E-03	16.3	19.3	21.8	23.9	25.6	27.0	31.7	32.1	32.1	32.1	32.1	32.1	32.1	
0.1000E-02	18.2	21.2	23.6	25.6	27.1	28.4	31.9	32.1	32.1	32.1	32.1	32.1	32.1	
0.2000E-02	26.0	26.7	28.6	29.9	30.8	31.3	32.3	32.2	32.2	32.2	32.2	32.2	32.2	
0.4000E-02	29.4	31.1	32.0	32.4	32.6	32.6	32.5	32.4	32.4	32.3	32.3	32.3	32.3	
0.6000E-02	32.0	32.8	33.1	33.2	33.2	33.1	32.7	32.5	32.6	32.6	32.6	32.6	32.6	
0.8000E-02	33.4	33.6	33.8	33.7	33.6	33.5	33.1	33.0	32.9	32.9	32.9	32.9	32.9	
0.1000E-01	34.4	34.5	34.3	34.2	34.0	33.9	33.4	33.3	33.3	33.3	33.3	33.3	33.3	
0.2000E-01	37.4	37.1	36.8	36.5	36.4	36.3	35.3	35.6	35.7	35.7	35.7	35.7	35.7	
0.4000E-01	42.3	41.9	41.6	41.5	41.3	41.2	40.9	40.9	40.9	40.8	40.8	40.8	40.8	
0.6000E-01	46.2	46.0	46.0	45.9	45.7	45.7	45.4	45.4	45.4	45.4	45.3	45.3	45.3	
0.8000E-01	50.5	50.1	49.9	49.8	49.7	49.6	49.4	49.4	49.4	49.4	49.4	49.4	49.4	
0.1000E-00	54.0	53.7	53.5	53.4	53.3	53.3	53.1	53.1	53.1	53.0	53.0	53.0	53.0	
0.2000E-00	68.7	68.5	68.4	68.3	68.2	68.2	68.1	68.1	68.1	68.0	68.0	68.0	68.0	
0.3000E-00	80.5	80.3	80.2	80.1	80.1	80.1	79.9	79.9	79.9	79.9	79.9	79.9	79.9	
0.4000E-00	90.5	90.4	90.3	90.2	90.2	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	
0.5000E-00	99.4	99.3	99.2	99.2	99.1	99.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
0.6000E-00	107.4	107.3	107.2	107.2	107.2	107.1	107.1	107.1	107.1	107.0	107.0	107.0	107.0	
0.7000E-00	114.8	114.7	114.6	114.6	114.5	114.5	114.4	114.4	114.4	114.4	114.4	114.4	114.4	
0.8000E-00	121.6	121.5	121.4	121.4	121.3	121.3	121.2	121.2	121.2	121.2	121.2	121.2	121.2	
0.9000E-00	127.9	127.8	127.7	127.7	127.7	127.7	127.6	127.6	127.6	127.6	127.6	127.6	127.6	
0.1000E-01	133.8	133.7	133.7	133.7	133.6	133.6	133.5	133.5	133.5	133.5	133.5	133.5	133.5	
0.1100E-01	139.4	139.3	139.3	139.3	139.3	139.2	139.2	139.2	139.2	139.1	139.1	139.1	139.1	
0.1200E-01	144.7	144.6	144.6	144.6	144.5	144.5	144.5	144.5	144.5	144.5	144.4	144.4	144.4	
0.1300E-01	149.8	149.7	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.5	149.5	149.5	149.5	
0.1400E-01	154.5	154.5	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.3	154.3	154.3	154.3	
0.1500E-01	159.1	159.0	159.0	159.0	159.0	159.0	158.9	158.9	158.9	158.9	158.9	158.9	158.9	

D/LAM.0	W	50.00	60.00	70.00	80.00	90.00	100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00
		-20.	Ldg	/T/			VLM.0/W*+2D=		0.900000E-01		Y=	0.		
0.1000E-04	0.0	60.00	60.00	70.00	80.00	90.00	100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00
0.2000E-04	0.1	60.1	60.1	70.1	80.2	90.3	100.4	200.4	300.4	400.4	500.4	600.4	700.4	800.4
0.4000E-04	0.4	60.4	60.2	60.6	70.7	81.1	101.5	210.5	315.4	425.4	535.4	645.4	755.4	865.4
0.6000E-04	0.9	60.9	60.9	61.5	72.3	84.2	144.3	204.3	254.1	277.6	294.9	304.9	315.2	326.7
0.8000E-04	1.5	61.5	61.7	62.8	74.0	85.4	167.7	233.9	274.4	292.2	301.1	305.5	308.6	
0.1000E-03	2.2	62.2	3.7	5.4	7.2	5.7	7.3	8.8	20.0	25.8	28.7	30.0	30.5	30.9
0.2000E-03	5.6	65.6	8.1	10.4	12.5	14.5	16.2	26.5	29.4	27.1	29.4	30.3	30.7	31.0
0.4000E-03	10.6	73.5	13.5	16.9	18.2	20.2	21.8	29.5	30.8	31.0	31.1	31.1	31.1	31.1
0.6000E-03	13.9	76.9	16.9	19.4	21.5	23.3	24.8	30.4	31.0	31.1	31.1	31.1	31.1	31.1
0.8000E-03	16.3	80.3	19.3	21.7	23.7	25.4	26.7	30.8	31.1	31.1	31.1	31.1	31.1	31.1
0.1000E-02	18.1	82.1	21.1	23.5	25.4	26.8	27.9	31.0	31.1	31.1	31.1	31.1	31.1	31.1
0.2000E-02	23.9	88.4	26.4	28.1	29.3	30.3	30.5	30.5	31.2	31.2	31.2	31.2	31.2	31.2
0.4000E-02	28.9	90.3	30.3	31.0	31.4	31.5	31.6	31.6	31.4	31.3	31.3	31.3	31.3	31.3
0.6000E-02	31.1	91.8	31.8	32.0	32.0	32.0	31.9	31.6	31.5	31.5	31.5	31.5	31.5	31.5
0.8000E-02	32.3	92.5	32.5	32.5	32.4	32.4	32.3	32.3	31.9	31.8	31.8	31.8	31.7	31.7
0.1000E-01	33.1	93.1	33.0	33.0	32.8	32.7	32.7	32.6	32.2	32.1	32.1	32.1	32.1	32.1
0.2000E-01	35.6	95.3	35.0	35.0	34.9	34.9	34.7	34.6	34.3	34.2	34.2	34.2	34.2	34.2
0.4000E-01	40.0	99.7	39.7	39.5	39.3	39.2	39.1	38.9	38.9	38.8	38.8	38.8	38.8	38.8
0.6000E-01	44.0	103.7	43.7	43.5	43.4	43.4	43.2	43.2	43.0	43.0	43.0	43.0	43.0	43.0
0.8000E-01	47.6	107.3	47.3	47.2	47.1	47.1	47.0	46.9	46.7	46.7	46.7	46.7	46.7	46.7
0.1000E-00	50.9	110.7	50.7	50.5	50.4	50.4	50.3	50.3	50.1	50.1	50.1	50.1	50.1	50.1
0.2000E-00	64.7	114.5	64.4	64.4	64.3	64.3	64.2	64.1	64.1	64.1	64.1	64.1	64.1	64.1
0.3000E-00	75.7	115.5	75.4	75.4	75.4	75.4	75.3	75.3	75.2	75.2	75.2	75.2	75.2	
0.4000E-00	85.1	118.9	84.9	84.9	84.8	84.8	84.7	84.7	84.6	84.6	84.6	84.6	84.6	
0.5000E-00	93.4	123.2	93.2	93.2	93.1	93.1	93.1	93.0	93.0	93.0	93.0	93.0	93.0	
0.6000E-00	100.8	120.7	100.7	100.7	100.6	100.6	100.6	100.5	100.5	100.5	100.5	100.5	100.5	
0.7000E-00	107.7	107.6	107.5	107.5	107.5	107.5	107.4	107.4	107.4	107.4	107.4	107.4	107.4	
0.8000E-00	114.0	113.9	113.9	113.9	113.8	113.8	113.8	113.7	113.7	113.7	113.7	113.7	113.7	
0.9000E-00	119.9	119.8	119.8	119.8	119.7	119.7	119.7	119.6	119.6	119.6	119.6	119.6	119.6	
0.1000E-01	125.4	125.3	125.3	125.3	125.2	125.2	125.2	125.1	125.1	125.1	125.1	125.1	125.1	
0.1100E-01	130.6	130.5	130.4	130.4	130.4	130.4	130.4	130.3	130.3	130.3	130.3	130.3	130.3	
0.1200E-01	135.5	135.4	135.3	135.3	135.3	135.3	135.3	135.2	135.2	135.2	135.2	135.2	135.2	
0.1300E-01	140.1	140.0	140.0	140.0	140.0	140.0	140.0	139.9	139.9	139.9	139.9	139.9	139.9	
0.1400E-01	144.5	144.4	144.4	144.4	144.4	144.4	144.4	144.3	144.3	144.3	144.3	144.3	144.3	
0.1500E-01	148.7	148.7	148.6	148.6	148.6	148.6	148.6	148.5	148.5	148.5	148.5	148.5	148.5	

D/LAM, 0	W	50.00	60.00	70.00	80.00	90.00	100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00	
		Y= 2.													
0.1000E-04	0.0	60.1	70.1	80.1	90.1	100.1	110.1	200.1	300.1	400.1	500.1	600.1	700.1	800.1	
0.2000E-04	0.1	60.2	70.2	80.2	90.2	100.2	110.2	200.2	300.2	400.2	500.2	600.2	700.2	800.2	
0.4000E-04	0.4	60.4	70.4	80.4	90.4	100.4	110.4	200.4	300.4	400.4	500.4	600.4	700.4	800.4	
0.6000E-04	0.9	60.9	70.9	80.9	90.9	100.9	110.9	200.9	300.9	400.9	500.9	600.9	700.9	800.9	
0.8000E-04	1.5	61.5	71.5	81.5	91.5	101.5	111.5	201.5	301.5	401.5	501.5	601.5	701.5	801.5	
0.1000E-03	2.2	62.2	72.2	82.2	92.2	102.2	112.2	202.2	302.2	402.2	502.2	602.2	702.2	802.2	
0.2000E-03	5.6	68.1	10.4	12.5	14.5	16.2	18.2	20.1	21.7	23.2	24.9	26.2	27.9	29.6	
0.4000E-03	10.6	13.5	16.0	18.2	20.4	22.7	24.6	26.4	29.5	31.4	33.3	35.2	37.1	39.0	
0.6000E-03	13.9	16.9	19.4	21.4	23.2	25.1	26.4	29.9	30.2	30.2	30.2	30.2	30.2	30.2	
0.8000E-03	16.3	19.2	21.6	23.6	25.1	26.5	27.5	30.1	30.2	30.2	30.2	30.2	30.2	30.2	
0.1000E-02	18.1	21.7	23.3	25.1	26.5	27.5	29.7	30.3	30.3	30.3	30.3	30.3	30.3	30.3	
0.2000E-02	25.7	26.1	27.7	28.7	29.3	29.7	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	
0.4000E-02	28.4	29.6	30.2	30.5	30.6	30.6	30.6	30.5	30.4	30.4	30.4	30.4	30.4	30.4	
0.6000E-02	30.3	30.8	31.0	31.0	31.0	30.9	30.6	30.6	30.5	30.5	30.5	30.5	30.5	30.5	
0.8000E-02	31.3	31.4	31.4	31.3	31.2	31.2	30.9	30.8	30.8	30.8	30.8	30.7	30.7	30.7	
0.100UE-01	31.9	31.9	31.8	31.6	31.5	31.4	31.4	31.1	31.1	31.0	31.0	31.0	31.0	31.0	
0.2000E-01	34.1	33.8	33.6	33.4	33.3	33.2	32.9	32.9	32.9	32.8	32.8	32.8	32.8	32.8	
0.4000E-01	38.1	37.8	37.6	37.5	37.4	37.4	37.3	37.1	37.1	37.1	37.1	37.1	37.1	37.1	
0.6000E-01	41.8	41.6	41.4	41.3	41.2	41.2	41.2	41.0	41.0	40.9	40.9	40.9	40.9	40.9	
0.8000E-01	45.2	45.0	44.8	44.7	44.7	44.7	44.7	44.5	44.5	44.4	44.4	44.4	44.4	44.4	
0.1000E-00	48.3	48.1	48.0	47.9	47.9	47.8	47.8	47.6	47.6	47.6	47.6	47.6	47.6	47.6	
0.2000E-00	61.2	61.1	61.0	60.9	60.9	60.9	60.9	60.8	60.8	60.7	60.7	60.7	60.7	60.7	
0.3000E-00	71.6	71.5	71.4	71.3	71.3	71.3	71.3	71.2	71.2	71.2	71.2	71.2	71.2	71.2	
0.4000E-00	80.4	80.3	80.2	80.2	80.2	80.2	80.2	80.1	80.1	80.1	80.1	80.1	80.1	80.1	
0.5000E-00	88.2	88.1	88.1	88.0	88.0	88.0	88.0	87.9	87.9	87.9	87.9	87.9	87.9	87.9	
0.6000E-00	95.2	95.1	95.1	95.1	95.1	95.1	95.1	95.0	95.0	95.0	94.9	94.9	94.9	94.9	
0.7000E-00	104.6	104.5	104.5	104.5	104.5	104.5	104.5	104.4	104.4	104.4	104.4	104.4	104.4	104.4	
0.8000E-00	107.6	107.5	107.4	107.4	107.4	107.4	107.4	107.3	107.3	107.3	107.3	107.3	107.3	107.3	
0.9000E-00	113.1	113.0	112.9	112.9	112.9	112.9	112.9	112.8	112.8	112.8	112.8	112.8	112.8	112.8	
0.1000E-01	118.2	118.1	118.1	118.1	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	
0.1100E-01	123.0	123.0	122.9	122.9	122.9	122.9	122.9	122.8	122.8	122.8	122.8	122.8	122.8	122.8	
0.1200E-01	127.0	127.5	127.5	127.5	127.5	127.5	127.5	127.4	127.4	127.4	127.4	127.4	127.4	127.4	
0.1300E-01	131.9	131.8	131.8	131.8	131.8	131.8	131.8	131.7	131.7	131.7	131.7	131.7	131.7	131.7	
0.1400E-01	136.0	135.9	135.9	135.9	135.9	135.9	135.9	135.8	135.8	135.8	135.8	135.8	135.8	135.8	
0.1500E-01	139.9	139.8	139.8	139.8	139.8	139.8	139.8	139.7	139.7	139.7	139.7	139.7	139.7	139.7	

D/LAM. 0	H	50.00	60.00	70.00	80.00	90.00	100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00
0.1000E-04	0.0	0.1	0.1	0.2	0.3	0.5	0.4	9.9	14.3	17.5	19.8	21.5	23.5	22.4
0.2000E-04	0.1	0.2	0.4	0.7	1.1	1.6	1.0	19.1	21.5	22.8	23.8	23.5	23.5	23.8
0.4000E-04	0.5	1.5	2.4	3.4	4.4	4.4	14.3	19.3	22.4	23.5	24.0	24.2	24.2	24.3
0.6000E-04	1.0	1.8	2.9	4.2	5.6	6.9	17.3	21.8	23.4	24.0	24.2	24.3	24.4	24.4
0.8000E-04	1.6	2.8	4.3	5.9	7.5	9.0	19.1	22.8	23.9	24.2	24.3	24.4	24.4	24.4
0.1000E-03	2.3	3.9	5.6	7.4	9.1	10.7	20.4	23.3	24.1	24.3	24.4	24.4	24.4	24.4
0.2000E-03	5.7	8.2	10.5	12.6	14.4	16.0	23.1	24.2	24.4	24.4	24.4	24.4	24.4	24.5
0.4000E-03	10.7	13.5	15.8	17.7	19.3	20.5	24.1	24.4	24.5	24.5	24.5	24.5	24.5	24.5
0.6000E-03	13.6	16.6	18.7	20.3	21.4	22.3	24.3	24.4	24.5	24.5	24.5	24.5	24.5	24.5
0.8000E-03	16.0	18.6	20.4	21.7	22.5	23.1	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5
0.1000E-02	17.6	20.0	21.5	22.5	23.2	23.6	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5
0.2000E-02	21.7	23.0	23.7	24.0	24.2	24.3	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
0.4000E-02	24.0	24.3	24.5	24.5	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5
0.6000E-02	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6
0.8000E-02	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7
0.1000E-01	25.0	25.0	24.9	24.9	24.9	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7
0.2000E-01	25.8	25.6	25.6	25.5	25.5	25.5	25.4	25.4	25.3	25.3	25.3	25.3	25.3	25.3
0.4000E-01	27.7	27.5	27.5	27.4	27.4	27.4	27.4	27.3	27.3	27.3	27.3	27.3	27.3	27.3
0.6000E-01	29.8	29.7	29.7	29.6	29.6	29.6	29.6	29.5	29.5	29.5	29.5	29.5	29.5	29.5
0.8000E-01	31.9	31.9	31.8	31.8	31.8	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
0.1000E-00	33.9	33.9	33.8	33.8	33.8	33.8	33.8	33.7	33.7	33.7	33.7	33.7	33.7	33.7
0.2000E-00	42.4	42.4	42.3	42.3	42.3	42.3	42.3	42.2	42.2	42.2	42.2	42.2	42.2	42.2
0.3000E-00	49.2	49.2	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
0.4000E-00	55.0	55.0	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
0.5000E-00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.9	59.9	59.9	59.9	59.9	59.9	59.9
0.6000E-00	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.4	64.4	64.4	64.4	64.4	64.4	64.4
0.7000E-00	68.6	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
0.8000E-00	72.3	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
0.9000E-00	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5
0.1000E-01	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
0.1100E-01	81.6	81.6	81.6	81.6	81.6	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
0.1200E-01	84.3	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
0.1300E-01	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
0.1400E-01	89.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
0.1500E-01	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2

D/LAM-0	W	-29. LOG /T/	VLM.0/W**29*	0.300000E 39	Y = J.
0.1000E-04	50.00	60.00	70.00	80.00	90.00
0.2000E-04	60.0	60.1	60.2	60.3	60.5
0.3000E-04	60.3	60.5	60.6	61.2	61.7
0.4000E-04	60.9	61.6	62.5	63.5	64.6
0.6000E-04	61.0	61.9	63.0	64.3	65.7
0.8000E-04	61.7	62.9	64.4	66.0	67.6
0.1000E-03	62.4	64.0	65.8	67.5	69.5
0.2000E-03	65.9	80.3	10.6	12.5	14.2
0.4000E-03	10.7	13.4	15.4	17.0	18.1
0.6000E-03	12.7	16.0	17.7	18.8	19.6
0.8000E-03	15.6	17.6	18.9	19.7	20.2
0.1000E-02	16.9	18.6	19.6	20.2	20.6
0.2000E-02	19.8	20.5	20.5	21.0	21.1
0.4000E-02	21.0	21.0	21.2	21.2	21.2
0.6000E-C2	21.3	21.3	21.5	21.5	21.5
0.8000E-W2	21.4	21.4	21.4	21.3	21.3
0.1000E-C1	21.5	21.4	21.4	21.4	21.4
0.2000E-01	21.8	21.8	21.8	21.7	21.7
0.4000E .C1	22.9	22.9	22.9	22.8	22.8
0.6000E-01	24.3	24.3	24.3	24.3	24.3
0.8000E-01	25.9	25.8	25.8	25.8	25.8
0.1000E-0C	27.4	27.3	27.3	27.3	27.3
0.2000E-00	33.9	33.9	33.8	33.8	33.8
0.3000E-00	39.1	39.1	39.1	39.1	39.1
0.4000E-00	43.5	43.5	43.5	43.5	43.5
0.5000E-00	47.3	47.3	47.3	47.3	47.3
0.6000E-00	50.6	50.6	50.6	50.6	50.6
0.7000E-00	53.6	53.6	53.6	53.6	53.6
0.8000E-0J	56.3	56.3	56.2	56.2	56.2
0.9000E-00	58.7	58.6	58.6	58.6	58.6
0.1000E-01	60.8	60.8	60.8	60.8	60.8
0.1100E-01	62.8	62.8	62.8	62.8	62.8
0.1200E-01	64.6	64.6	64.6	64.6	64.6
0.1300E-01	66.2	66.2	66.2	66.2	66.2
0.1400E-01	67.8	67.8	67.7	67.7	67.7
0.1500E-01	69.2	69.2	69.1	69.1	69.1

D/LAH,0	W	50.00	60.00	70.00	-20.	LOG /T/	VLM,0/W=20*	0.400000E DU	Y= J.
0.1000E-04	0.0	0.1	0.1	0.2	90.00	90.00	100.00	200.00	500.00
0.2000E-04	0.3	0.5	0.8	1.2	100.00	100.00	130.00	200.00	500.00
0.4000E-04	0.5	1.0	1.7	2.6	130.00	130.00	170.00	200.00	500.00
0.6000E-04	1.1	2.0	3.1	4.4	170.00	170.00	210.00	200.00	500.00
0.8000E-04	1.7	3.0	4.6	6.1	210.00	210.00	250.00	200.00	500.00
0.1000E-03	2.5	4.1	5.9	7.6	250.00	250.00	290.00	200.00	500.00
0.2000E-03	6.0	8.4	10.5	12.3	300.00	300.00	340.00	200.00	500.00
0.4000E-03	13.1	14.9	16.9	17.5	340.00	340.00	380.00	200.00	500.00
0.6000E-03	15.4	16.7	17.5	18.0	380.00	380.00	420.00	200.00	500.00
0.8000E-03	15.0	16.6	17.5	18.1	420.00	420.00	460.00	200.00	500.00
0.1000E-02	16.1	17.3	18.0	18.4	460.00	460.00	500.00	200.00	500.00
0.2000E-02	16.1	18.5	18.7	18.8	500.00	500.00	540.00	200.00	500.00
0.4000E-02	18.8	18.9	19.0	19.0	540.00	540.00	580.00	200.00	500.00
0.6000E-02	19.0	19.0	19.0	19.0	580.00	580.00	620.00	200.00	500.00
0.8000E-02	19.1	19.1	19.0	19.0	620.00	620.00	660.00	200.00	500.00
0.1000E-01	19.1	19.1	19.1	19.1	660.00	660.00	700.00	200.00	500.00
0.2000E-01	19.3	19.3	19.3	19.3	700.00	700.00	740.00	200.00	500.00
0.4000E-01	20.1	20.0	20.0	20.0	740.00	740.00	780.00	200.00	500.00
0.6000E-01	21.1	21.0	21.0	21.0	780.00	780.00	820.00	200.00	500.00
0.8000E-01	22.1	22.2	22.2	22.2	820.00	820.00	860.00	200.00	500.00
0.1000E-00	23.4	23.4	23.3	23.3	860.00	860.00	900.00	200.00	500.00
0.2000E-00	28.7	28.7	28.7	28.7	900.00	900.00	940.00	200.00	500.00
0.3000E-00	33.0	33.0	33.0	33.0	940.00	940.00	980.00	200.00	500.00
0.4000E-00	36.6	36.6	36.6	36.5	980.00	980.00	1020.00	200.00	500.00
0.5000E-00	39.6	39.6	39.6	39.6	1020.00	1020.00	1060.00	200.00	500.00
0.6000E-00	42.3	42.3	42.2	42.2	1060.00	1060.00	1100.00	200.00	500.00
0.7000E-00	44.6	44.6	44.6	44.6	1100.00	1100.00	1140.00	200.00	500.00
0.8000E-00	46.6	46.6	46.6	46.6	1140.00	1140.00	1180.00	200.00	500.00
0.9000E-00	48.4	48.4	48.4	48.4	1180.00	1180.00	1220.00	200.00	500.00
0.1000E-01	50.0	50.0	50.0	50.0	1220.00	1220.00	1260.00	200.00	500.00
0.1100E-01	51.5	51.5	51.5	51.4	1260.00	1260.00	1300.00	200.00	500.00
0.1200E-01	52.8	52.7	52.7	52.7	1300.00	1300.00	1340.00	200.00	500.00
0.1300E-01	53.9	53.9	53.9	53.9	1340.00	1340.00	1380.00	200.00	500.00
0.1400E-01	55.0	55.0	55.0	55.0	1380.00	1380.00	1420.00	200.00	500.00
0.1500E-01	55.9	55.9	55.9	55.9	1420.00	1420.00	1460.00	200.00	500.00

D/LAM.0	W	50.00	-20.	LOG /T/	VLAH.0/W**2D=	0.500000E 00	Y = C.
0.1000E-04	0.0	60.00	70.00	80.00	90.00	100.00	200.00
0.2000E-04	0.1	60.1	60.1	60.2	60.4	60.5	60.8
0.4000E-04	0.5	59.3	59.5	59.8	60.3	60.8	61.3
0.6000E-04	1.1	59.0	59.7	60.6	63.7	64.8	65.8
0.8000E-04	1.6	58.0	59.2	60.5	64.5	65.9	67.1
0.1000E-03	2.6	57.1	58.1	59.5	65.5	67.0	69.2
0.2000E-03	6.1	56.4	58.4	60.0	67.7	69.2	71.2
0.4000E-03	10.6	55.8	57.8	59.3	69.3	70.8	72.2
0.6000E-03	13.0	54.7	56.7	58.3	70.9	72.4	74.2
0.8000E-03	14.4	54.0	56.3	58.7	71.9	73.4	75.2
0.1000E-03	15.2	53.2	55.2	56.6	72.9	74.4	76.2
0.2000E-02	16.7	51.0	53.0	54.2	74.3	75.9	77.2
0.4000E-02	17.2	50.5	52.5	53.7	75.3	76.9	78.2
0.6000E-02	17.3	50.0	52.0	53.3	75.3	76.8	78.2
0.8000E-02	17.3	49.5	51.5	52.8	75.3	76.8	78.2
0.1000E-01	17.4	49.0	51.0	52.3	75.3	76.8	78.2
0.2000E-01	17.5	48.5	50.5	51.8	75.5	77.0	78.4
0.4000E-01	18.0	48.0	50.0	51.5	76.0	77.5	79.3
0.6000E-01	18.8	47.8	49.8	51.3	76.8	78.3	79.3
0.8000E-01	19.7	47.5	49.5	51.0	77.3	78.7	80.7
0.1000E-00	20.6	47.0	49.0	50.6	78.6	79.6	80.6
0.2000E-00	25.1	45.1	47.1	49.1	85.1	85.1	85.1
0.3000E-00	28.8	42.8	44.8	46.8	88.8	88.8	88.8
0.4000E-00	31.8	41.8	43.8	45.8	91.8	91.8	91.8
0.5000E-00	34.3	39.3	41.3	43.3	94.3	94.3	94.3
0.6000E-00	36.5	36.5	38.5	40.5	96.5	96.5	96.5
0.7000E-00	38.4	38.4	38.3	40.0	98.0	98.0	98.0
0.8000E-00	40.0	40.0	40.3	40.0	99.0	99.0	99.0
0.9000E-00	41.4	41.4	41.4	41.4	100.0	100.0	100.0
0.1000E-01	42.6	42.6	42.6	42.6	102.6	102.6	102.6
0.1100E-01	43.7	43.7	43.7	43.7	103.7	103.7	103.7
0.1200E-01	44.7	44.7	44.7	44.7	104.7	104.7	104.7
0.1300E-01	45.5	45.5	45.5	45.5	105.5	105.5	105.5
0.1400E-01	46.3	46.3	46.3	46.3	106.3	106.3	106.3
0.1500E-01	47.0	46.9	46.9	46.9	106.9	106.9	106.9

D/LAM.0	N	50.00	60.00	70.00	80.00	90.00	100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00	
		-20.	LOG /T/	VLAH.0/W=2D=	0.600000E 00	Y=	J.								
0.1000E-04	0.0	0.0	0.1	0.2	0.4	0.6	6.9	9.3	12.6	14.4	15.1	15.4	15.6		
0.2000E-04	0.1	0.3	0.5	0.9	1.3	1.9	9.1	13.3	14.9	15.5	15.7	15.8	15.8		
0.4000E-04	0.6	1.1	1.8	2.7	3.8	4.9	12.8	15.1	15.6	15.8	15.9	15.9	15.9		
0.6000E-04	1.2	2.1	3.3	4.6	6.0	7.3	14.2	15.5	15.8	15.8	15.9	15.9	15.9		
0.8000E-04	1.9	3.2	4.8	6.3	7.8	9.1	14.9	15.7	15.8	15.9	15.9	15.9	15.9		
0.1000E-03	2.6	4.3	6.0	7.7	9.2	10.4	15.2	15.8	15.9	15.9	15.9	15.9	15.9		
0.2000E-03	6.2	8.4	10.3	11.8	12.9	13.7	15.7	15.9	15.9	15.9	15.9	15.9	15.9		
0.4000E-03	10.4	12.4	13.6	14.4	14.9	15.2	15.9	15.9	15.9	15.9	15.9	15.9	15.9		
0.6000E-03	12.6	14.9	14.7	15.2	15.4	15.6	15.9	15.9	15.9	15.9	15.9	15.9	15.9		
0.8000E-03	13.7	14.7	15.2	15.5	15.6	15.7	15.9	15.9	15.9	15.9	15.9	15.9	15.9		
0.1000E-02	14.4	15.1	15.5	15.6	15.6	15.7	15.8	15.9	15.9	15.9	15.9	15.9	15.9		
0.2000E-02	15.5	15.7	15.8	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9		
0.4000E-02	15.8	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9		
0.6000E-02	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9		
0.8000E-02	16.0	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9		
0.1000E-01	16.0	16.0	16.0	16.0	16.0	16.0	15.9	15.9	15.9	15.9	15.9	15.9	15.9		
0.2000E-01	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1		
0.4000E-01	16.5	16.5	16.5	16.5	16.5	16.5	16.4	16.4	16.4	16.4	16.4	16.4	16.4		
0.6000E-01	17.1	17.1	17.1	17.1	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0		
0.8000E-01	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8		
0.1000E-00	18.6	18.6	18.6	18.6	18.6	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5		
0.2000E-00	22.5	22.5	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4		
0.3000E-00	25.7	25.7	25.7	25.7	25.7	25.7	25.6	25.6	25.6	25.6	25.6	25.6	25.6		
0.4000E-00	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3		
0.5000E-00	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4		
0.6000E-00	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2		
0.7000E-00	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8		
0.8000E-00	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1		
0.9000E-00	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2		
0.1000E-01	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2		
0.1100E-01	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0		
0.1200E-01	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7		
0.1300E-01	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4		
0.1400E-01	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9		
0.1500E-01	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4		

D/LAM.0	W	50.00	-20.	LOG /T/	VLM, J/W**2D=	0.700000E 00	Y = 3.					
0.1000E+04	0.0	60.00	79.00	80.00	90.00	100.00	300.00	400.00	500.00	600.00	700.00	800.00
0.2000E+04	0.2	60.1	60.1	60.2	60.4	60.6	64.9	9.7	12.4	13.5	14.2	14.4
0.4000E+04	0.6	60.3	60.6	60.9	61.4	61.9	9.0	12.8	14.0	14.6	14.7	14.7
0.6000E+04	1.1	60.7	61.9	2.8	5.8	4.9	12.4	14.2	14.6	14.7	14.7	14.8
0.8000E+04	1.2	62.0	2.2	3.4	4.7	6.0	7.3	13.5	14.5	14.7	14.8	14.8
0.8000E+04	1.9	63.3	4.8	6.4	7.6	9.0	16.5	14.5	14.6	14.8	14.8	14.8
0.1050E+03	2.7	64.4	6.1	7.7	9.1	10.2	14.3	14.7	14.8	14.8	14.8	14.8
0.2300E+03	6.2	68.4	10.1	11.5	12.4	13.1	14.7	14.8	14.8	14.8	14.8	14.8
0.4000E+03	10.3	12.0	13.0	13.7	14.1	14.3	16.8	14.8	14.8	14.8	14.8	14.8
0.6000E+03	12.1	13.3	13.9	14.3	14.5	14.6	16.3	14.8	14.8	14.8	14.8	14.8
0.8000E+03	13.1	13.9	14.3	14.5	14.6	14.7	14.6	14.8	14.8	14.8	14.8	14.8
0.1000E+02	13.6	14.2	14.5	14.6	14.6	14.7	14.7	14.8	14.8	14.8	14.8	14.8
0.2000E+02	14.5	14.7	14.7	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
0.4000E+02	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
0.6000E+02	14.8	14.6	14.6	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
0.8000E+02	14.8	14.6	14.6	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
0.1000E+01	14.6	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
0.2000E+01	14.9	14.6	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
0.4000E+01	15.3	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
0.6000E+01	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
0.8000E+01	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
0.1000E+00	17.0	17.0	17.0	17.0	17.0	17.0	17.0	16.9	16.9	16.9	16.9	16.9
0.2000E+00	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
0.3000E+00	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
0.4000E+00	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
0.5000E+00	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
0.6000E+00	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
0.7000E+00	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
0.8000E+00	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
0.9000E+00	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
0.1000E+01	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
0.1100E+01	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
0.1200E+01	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
0.1300E+01	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
0.1400E+01	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
0.1500E+01	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5

D/LAM.0	W	50.00	60.00	70.00	80.00	90.00	100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00
0.1000E-04	0.0	0.01	0.2	0.3	0.4	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
0.2000E-04	0.2	0.3	0.6	0.9	1.4	2.0	2.0	8.9	12.2	13.3	13.5	13.7	13.6	13.7
0.4000E-04	0.6	1.2	1.9	2.9	3.9	5.0	11.9	13.4	13.7	13.8	13.8	13.8	13.8	13.8
0.6000E-04	1.2	2.2	3.5	4.6	6.1	7.3	12.9	13.6	13.6	13.8	13.8	13.8	13.8	13.8
0.8000E-04	1.2	2.0	3.4	4.6	6.6	7.7	13.3	13.7	13.7	13.8	13.8	13.8	13.8	13.8
0.1000E-04	2.0	2.8	4.4	6.1	7.7	9.0	10.0	13.5	13.8	13.8	13.8	13.8	13.8	13.8
0.1200E-03	2.8	6.3	9.9	11.1	11.9	12.5	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
0.1400E-03	6.2	11.6	12.5	13.0	13.3	13.5	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.6
0.1600E-03	10.0	12.7	13.2	13.4	13.6	13.7	13.8	13.8	13.9	13.9	13.9	13.9	13.9	13.9
0.1800E-03	11.7	12.5	13.2	13.5	13.6	13.7	13.8	13.8	13.9	13.9	13.9	13.9	13.9	13.9
0.2000E-03	12.5	13.4	13.6	13.7	13.7	13.8	13.8	13.8	13.9	13.9	13.9	13.9	13.9	13.9
0.2200E-02	13.0	13.6	13.6	13.7	13.8	13.8	13.8	13.8	13.9	13.9	13.9	13.9	13.9	13.9
0.2400E-02	13.6	13.8	13.8	13.8	13.8	13.8	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
0.4000E-02	13.8	13.8	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
1.6000E-02	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
0.8000E-02	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
0.1000E-01	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
0.2000E-01	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
0.4000E-01	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
0.6000E-01	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
0.8000E-01	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
0.1000E-00	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
0.2000E-00	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
0.3000E-00	21.3	21.3	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
0.4000E-00	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
0.5000E-00	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
0.6000E-00	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
0.7025E-00	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
0.6900E-00	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
0.4030E-00	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
0.1000E-01	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
0.1100E-01	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
0.1200E-01	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
0.1300E-01	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
0.1400E-01	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
0.1500E-01	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6

O/LAK.0	N	50.00	60.00	70.00	80.00	90.00	100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00
0.1000E-04	0.0	0.1	0.2	0.3	0.4	0.5	0.6	2.1	9.3	11.4	12.3	12.7	12.8	12.9
0.2000E-04	0.2	0.3	0.6	1.0	1.5	2.0	3.8	11.7	12.6	12.8	12.9	13.0	13.0	13.0
0.4000E-04	0.6	1.2	2.0	2.9	4.0	5.1	11.4	12.7	12.9	13.0	13.0	13.0	13.0	13.0
0.6000E-04	1.2	2.3	3.5	4.8	6.1	7.3	12.3	12.9	13.3	13.0	13.0	13.0	13.0	13.0
0.8000E-04	2.0	3.4	4.9	6.4	7.7	8.8	12.6	12.9	13.3	13.0	13.0	13.0	13.0	13.0
0.1000E-03	2.8	4.5	6.2	7.6	8.8	9.8	12.7	13.0	13.0	13.0	13.0	13.0	13.0	13.0
0.2000E-03	6.3	8.2	9.7	10.8	11.5	11.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
0.4000E-03	9.8	11.2	11.9	12.3	12.6	12.7	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
0.6000E-03	11.3	12.1	12.5	12.7	12.8	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
0.8000E-03	12.0	12.5	12.7	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
0.1000E-02	12.3	12.7	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
0.2000E-02	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
0.4000E-02	13.0	13.0	13.0	13.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
0.6000E-02	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
0.8000E-02	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
0.1000E-01	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
0.2000E-01	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
0.4000E-01	13.4	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
0.6000E-01	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
0.8000E-01	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
0.1000E-00	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
0.2000E-00	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
0.3000E-00	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
0.4000E-00	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
0.5000E-00	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
0.6000E-00	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
0.7000E-00	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
0.8000E-00	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
0.9000E-00	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
0.1000E-01	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
0.1100E-01	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
0.1200E-01	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
0.1300E-01	28.0	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
0.1400E-01	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
0.1500E-01	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4

D/LAM.0	W	50.00	60.00	70.00	80.00	90.00	100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00
0.1000E-04	0.0	0.1	0.2	0.3	0.4	0.5	0.6	5.1	9.2	11.3	11.7	12.0	12.2	12.2
0.2000E-04	0.0	0.2	0.3	0.6	1.0	1.5	2.1	8.6	11.3	12.3	12.3	12.3	12.3	12.3
0.4000E-04	0.0	0.6	1.2	2.0	3.0	4.0	5.1	11.0	12.0	12.3	12.3	12.3	12.3	12.3
0.6000E-04	1.3	2.4	3.6	4.9	6.1	7.2	11.7	12.2	12.3	12.3	12.3	12.3	12.3	12.3
0.8000E-04	2.1	3.5	5.0	6.4	7.6	8.6	12.0	12.3	12.3	12.3	12.3	12.3	12.3	12.3
0.1000E-03	2.9	4.6	6.2	7.6	8.7	9.6	12.1	12.3	12.3	12.3	12.3	12.3	12.3	12.3
0.2000E-03	6.3	8.1	9.5	10.4	11.0	11.4	12.1	12.3	12.3	12.3	12.3	12.3	12.3	12.3
0.4000E-03	9.6	10.8	11.4	11.8	12.0	12.1	12.2	12.2	12.3	12.3	12.3	12.3	12.3	12.3
0.6000E-03	10.9	11.6	11.9	12.1	12.2	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
0.8000E-03	11.5	11.9	12.1	12.2	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
0.1000E-02	11.8	12.1	12.2	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
0.2000E-02	12.2	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
0.4000E-02	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
0.6000E-02	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
0.8000E-02	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
0.1000E-01	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
0.2000E-01	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
0.4000E-01	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
0.6000E-01	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
0.8000E-01	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
0.1000E-00	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
0.2000E-00	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
0.3000E-00	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
0.4000E-00	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
0.5000E-00	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
0.6000E-00	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
0.7000E-00	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
0.8000E-00	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
0.9000E-00	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
0.1000E-01	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
0.1100E-01	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
0.1200E-01	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
0.1300E-01	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
0.1400E-01	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
0.1500E-01	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8

EXECUTION

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13. ABSTRACT The reentry signal attenuation calculations presented in this volume are a part of the lifting reentry communication system study described in Vols. I and II. Extensive plane wave attenuation tables are given for the following plasma conditions:		
$0.8 \leq \omega_p / \omega_0 \leq 800$ $10^{-4} \leq d/\lambda_0 \leq 3.5$ $10^{-4} \leq 2\pi c v / \omega_p^2 d \leq 1.0$		
A brief review of the plane wave analysis is also included. Plasma antenna effects and the effects of inhomogeneities in the plasma sheath are discussed.		

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14.

KEY WORDS

Communication System
Reentry Communications
Lifting Reentry
Antenna Window
Aerodynamics
RF Attenuation
RF Breakdown
Aerodynamic Shaping
Fluid Injection
Magnetic Window
Electrophilic Seeding
Millimeter Waves
Optical Communications Systems
High-Frequency Communications
Communication Blackout

Abstract (Continued)

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